



Job Name : INOB

Manufacturer : ATLANTIC

Model Number : LRF12X12-SYL44-4K-1/SQ12PG-WH-GS

Datasheet

Type :

M

RECESSED

LED 12"x 12" square lensed
1100 to 4000 lumens

architectural

Project: _____
Type: _____
Catalog number: _____

frame-in kit

- This fixture is offered as a "U" universal voltage 120-277V with 0-10V DC dimming (1%-100%). No alternate drivers are available.
- Prewired and grounded junction box with galvanized snap-on covers. Listed for through branch circuit wiring.
- Universal mounting brackets provide tool-less adjustability and will accept the supplied hanger bars or optional #517 and #520 Caddy bars. Also accepts C channel.
- Electroplated plated steel hanger bars are included as factory standard. Bars extend to 24" and offer self-nailing and additional mounting features.
- This fixture is not intended for use in 1'x1' grid ceilings.

- 5-year LED component warranty details at atlantic-lighting.com/main/support.

PrevalLED® by eldoLED LED Board

- 80+ CRI
- 90 CRI option offered. Lower lumen output and reduced lumens per watt will be experienced with this option.
- Rated Life: 50,000 hours at 70% lumen maintenance (L70) when maintained in a 45°C ambient environment with open air flow. Ambient temperatures lower than 45°C may extend life of module.

OPTOTRONIC® by eldoLED Driver

- Dimmable, instant 100% light (1%-100%) via: 0-10V protocol. Contact factory for optional dim-to-off and soft-start programming. See driver spec.

Listed to UL 1598 and Canadian standards.
Listed for Wet Location. Photometrics at atlantic-lighting.com.

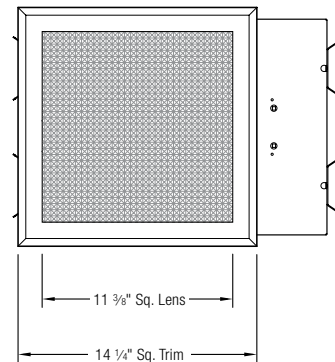
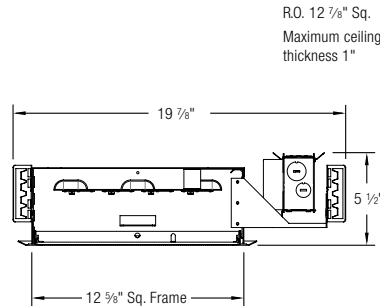
Specifications and dimensions
subject to change without notice.



ATLANTIC
LIGHTING

T: 508 678-5411 | F: 508 678-5408 www.atlantic-lighting.com

112723 NP15-013



TRIM KIT

lensed white door

- SQ12PR Prismatic
- SQ12PG Prismatic glass
- SQ12DO Drop opal (plastic)

Door frame has a white polyester powder coat finish standard. Custom colors available.



ordering data

FRAME-IN KIT

SERIES..... LRF12x12

LRF12x12 Architectural 12"x 12" LED

LUMENS*

- SYL11 1100 lumens (12.1 watts)
- SYL15 1500 lumens (16.3 watts)
- SYL20 2000 lumens (24.2 watts)
- SYL30 3000 lumens (32.2 watts)
- SYL40 4000 lumens (42.2 watts)

COLOR TEMPERATURE

- 27K 2700K (only available in 90 CRI)
- 3K 3000K
- 35K 3500K
- 4K 4000K
- 5K 5000K

VOLTAGE

U Universal 120V-277V

DIMMING

0-10V DC standard, leave box blank

OPTIONS

- 9CR 90 CRI, effects lumens per watt
- EM Emergency Pack

TRIM KIT

Refer to left for part numbers.
Specify finish & other below.

Finishes

WH Matte white

Other

GS Gasket under flange

Accessories

*Listed lumens and wattages are component measurements.
See photometrics for fixture values.

P/N Example: LRF12x12-SYL20-30K-U / SQ12PG-WH

LRF12x12-SYL20-30K-U / SQ12PG WH

series lumens voltage temp options trim kit finish other



Job Name : INOB

Manufacturer : ATLANTIC

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Datasheet

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LED 12"x 12" square lensed
1100 to 4000 lumens

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Project: _____
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frame-in kit

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PrevalLED® by eldoLED LED Board

- 80+ CRI
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OPTOTRONIC® by eldoLED Driver

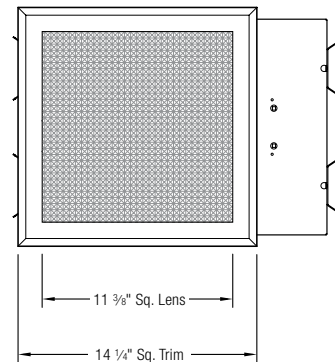
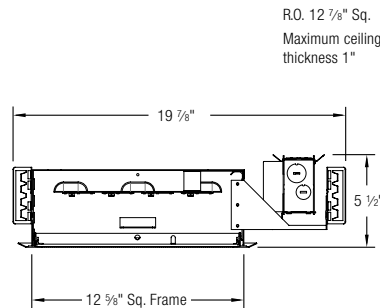
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Listed to UL 1598 and Canadian standards.
Listed for Wet Location. Photometrics at atlantic-lighting.com.

Specifications and dimensions subject to change without notice.



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- SQ12PR Prismatic
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TRIM KIT

Refer to left for part numbers.
Specify finish & other below.

Finishes

WH Matte white

Other

GS Gasket under flange

Accessories

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See photometrics for fixture values.

P/N Example: LRF12x12-SYL20-30K-U / SQ12PG-WH

LRF12x12-SYL20-30K-U / SQ12PG WH

series lumens voltage temp options trim kit finish

112723 NP15-013



Job Name : INOB

Manufacturer : LITHONIA LIGHTING

Model Number : FEM L96 9000LM IMAFD MD MVOLT GZ10 40K 80CRI

Datasheet

Type :

S



FEATURES & SPECIFICATIONS

INTENDED USE — A general purpose and energy-efficient surface-mounted or suspended LED fixture, suitable for wet, damp and/or cold locations. For vapor-tight demanding environments where moisture or dust is a concern and where relatively low fixture mounting heights and wide fixture spacing are common. Not for use or installation in direct outdoor sunlight. Must be installed under canopy or covered ceiling. For direct sunlight installations, please refer to the [FEX](#) product family. Typical applications include industrial facilities, parking garages, retail malls, multi-purpose rooms, garden centers, and food processing. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic/Polycarbonate Compatibility table for suitable use.](#)

Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location. [Click here for a list of substances that may not be suitable for interaction with LEDs and other electronic components.](#)

CONSTRUCTION — One-piece SVA fiberglass housing with integral perimeter channel utilizing continuous poured-in-place NEMA 4X gasket. Approved for through wiring. Captive polymeric latches are standard. Stainless steel latches (316SS) available as an option for food processing or more demanding applications. Power connection is easily accomplished through pre-drilled holes.

OPTICS — Injection molded, acrylic lens (.080" thick) provides high impact-resistance comparable to 100% DR. A UV stabilized polycarbonate diffuser is available (.080" thick) in clear or frosted for additional impact strength where vandal protection is desired.

Expected service life of 60,000 hours at 80% lumen maintenance (L80); predicted life of more than 100,000 hours.

ELECTRICAL — Utilizes high-efficiency LEDs mounted to core circuit boards. High-efficiency drivers operate 120-277 (MVOLT) and 347-480 (HVOLT) offered with 0-10 volt dimming, dims to 10%. Standard Luminaire Surge Protection Level: 6kV/3kA Surge Rated per ANSI C82.77-5-2015.

INSTALLATION — A pair of stainless steel (316SS) surface mount brackets (SMB) are included (unless another mounting option is chosen) allowing for surface (ceiling) or suspension mount applications using included bail with aircraft cable or chain. Optional pair of dual pendant mount brackets (DPMB) (316SS) are available for surface (ceiling) or suspension mount applications using either 3/8" threaded rod or included bail with aircraft cable or chain. Optional pair of angle mounting brackets (ANGBKT) (316SS) for horizontal wall mount applications.

LISTINGS — CSA Certified to UL and C-UL Standards. Suitable for wet location. IP65, IP66, IP67 and IP69K (optional) rated. NSF Splash Zone 2 and Non-Food Zone rated. NEMA Type 4X rated. Sensors maintain IP65 and IP66 only. See chart on page 5 for Ambient Temperatures.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

GOVERNMENT PROCUREMENT — BAA — Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA — Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

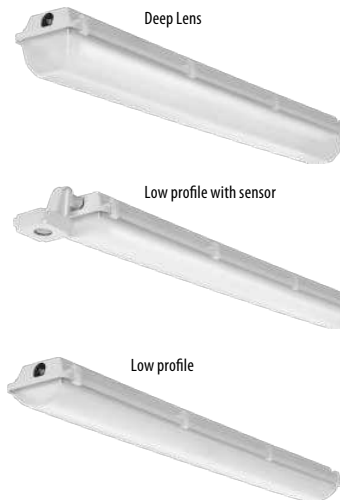
NOTE: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Catalog Number
Notes
Type

Low-Profile Enclosed and Gasketed Industrial



FEM LED

SURFACE/ SUSPENDED/WALL MOUNT



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.

*See ordering tree for details

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

INDUSTRIAL

FEM LED
Page 1 of 11



Job Name : INOB

Manufacturer : LITHONIA LIGHTING

Model Number : FEM L96 9000LM IMAFD MD MVOLT GZ10 40K 80CRI

Datasheet

Type :

S

FEM LED Low-Profile Enclosed and Gasketed



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: FEM L48 4000LM IMAFL WD MVOLT GZ10 40K 80CRI

Series	Length	Nominal Lumens	Diffuser	Distribution	Voltage	Driver	Color temperature	CRI
FEM	L24 24" ±	2000LM 2,000 lumens	IMAFL Acrylic, linear ribbed frosted lens	MD Medium WD Wide PGD Parking garage	MVOLT 120-277V HVOLT 347-480V ± 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V	GZ10 0-10V dimming	30K 3000K 35K 3500K 40K 4000K 50K 5000K	80CRI 80 CRI 90CRI 90 CRI
		3000LM 3,000 lumens	IMACD Acrylic, clear deep lens					
		4000LM 4,000 lumens	IMAFL Acrylic, deep frosted lens					
		6000LM 6,000 lumens	LPAFL Acrylic, low profile frosted lens					
	L48 48" ±	3000LM 3,000 lumens	LPAFL Acrylic, low profile clear lens					
		4000LM 4,000 lumens	LPACL Acrylic, low profile clear lens					
		6000LM 6,000 lumens	LPPCL Polycarbonate, low profile clear lens					
		8000LM 8,000 lumens	LPPFL Polycarbonate, low profile frosted lens					
	L96 96" ±	9000LM 9,000 lumens						
		12000LM 12,000 lumens						
		15000LM 15,000 lumens						
		18000LM 18,000 lumens						

Options		
Emergency:		Cordsets:
BEGWCP 6W internal cold battery, illuminated test switch, cold rated -20°C min, wet location, Certified in CA Title 20 MAEDBS ±		CNP16WWL Cord, no plug, 16 gauge, 3 conductors, white, wet locations, 6 feet, other lengths available ±
E10WMCPE 10W internal constant power battery, self-diagnostic test switch, 5°C min, wet location, Certified in CA Title 20 MAEDBS ±		CNP164CWVL Cord, no plug, 16 gauge, 4 conductors for use with EM battery, white, wet locations, 6 feet, other lengths available ±
ETS Emergency lighting control device for UL924 operation when using auxiliary generator or central inverter ±		CNP165CWVL Cord, no plug, 16 gauge, 5 conductors for use with ER controls or ETS device with 2 power sources, white, wet locations, 6 feet, other lengths available ±
2470P 24/7 Operation with emergency battery and 3 conductor cord or plug ±		CNP165CDWWVL Cord, no plug, 16 gauge, 5 conductors for 0-10V dimming, white, wet locations, 6 feet, other lengths available ±
Mounting:		CPTL16W Cord with NEMA twist lock 15 amp plug, 16 gauge, white, damp location, 6 feet, other lengths available
ANGBKT Angle bracket shipped with fixture (316SS) ±		CPTL16WWVL Cord with NEMA twist lock 15 amp plug, 16 gauge, white, wet location, 6 feet, other lengths available
DPMB Dual pendant mounting bracket (316SS) ±		CPTL20A16W Cord with NEMA twist lock 20 amp plug, 16 gauge, white, damp location, 6 feet, other lengths available
EMK (2) End mount suspension brackets (304SS) ±		CPTL20A16WWVL Cord with NEMA twist lock 20 amp plug, 16 gauge, white, wet location, 6 feet, other lengths available
QMB (2) Quick mount brackets (304SS) ±		CPSB16W Cord with NEMA straight blade 15 amp plug, white, damp location, 6 feet, other lengths available
WLF Wet location fitting (two outboard, top (L24 - 20 inches off-center, L48 - 48 inches off-center, L96 - 95.7 inches off-center) ±		CMCMBH16WWVL Cord with Brad Mini Change® male connector, nonmetallic coupling nut, 3 pole, 16 gauge, yellow, wet location, 6 feet, other lengths available ±
WLFEND Wet location fitting (one end) ±		MCRMBH16WVL Receptacle with Brad Mini Change® male connector, stainless steel coupling nut, 3 pole, 16 gauge leads, wet location ±
WLFEND2 Wet location fitting (both ends) ±		See chart for additional cordset options
WLFPMPP Wet location pendant monopoint ±		Reloc®:
WLF4X Wet location fittings, NEMA Type 4X rated ±		OCS Reloc® One Pass® circuit selector system drop, 18 gauge, 3 conductors, 6 feet, other lengths available ±
WLFPMPP4X Wet location fitting for pendant mounting, NEMA Type 4X rated ±		OCS4C Reloc® One Pass® circuit selector system drop, 18 gauge, 4 conductors, for use with EM battery, 6 feet, other lengths available ±
WLFEND4X Wet location one end, NEMA Type 4X fittings ±		See chart for additional Reloc® options
WLFEND24X Wet Location both-ends, NEMA Type 4X fittings ±		
Other Options:		
AO Adjustable output dimming ±		
DL Damp Location ±		
DRYLBL Dry Location ±		
IP69K IP69K rating, includes vent plugs ±		
SPD Surge protection device, additional 10kV/6kA		
STSL Stainless steel latches (316SS)		
TRS Tamper Resistant Torx® T10 screws (18-8SS)		
BAA Buy America(n) Act and/or Build America Buy America Qualified		
		Sensor Switch Embedded Controls:
		SBOR10 360° Low Mount Sensor, (8-15' mounting heights, more options available), on/off occupancy, Sensor/control mounted external to the luminaire via a KO ±
		SBOR10 D 3V 360° Low Mount Sensor, (8-15' mounting heights, more options available), high/low/off occupancy dimming, Sensor/control mounted external to the luminaire via a KO ±
		SBOR10 P 360° Low Mount Sensor, (8-15' mounting heights, more options available), on/off photocell, Sensor/control mounted external to the luminaire via a KO ±
		See chart for additional control options
		nLight Embedded Controls:
		NLTAIR2 Embedded wireless controls by nLight ±
		NLTAIREM2 Embedded wireless controls by nLight with UL924 listed emergency operation ±
		NLTAIRER2 Embedded wireless controls by nLight with UL924 listed emergency operation via power sense leads ±
		NLTAIR2 APIRKO Embedded wireless controls by nLight, Passive Infrared Occ sensor with auto-dimming photocell, Sensor/control mounted external to the luminaire via a KO ±
		NLTAIREM2 APIRKO Embedded wireless controls by nLight with UL924 listed emergency operation, Passive Infrared Occ sensor with auto-dimming photocell, Sensor/control mounted external to the luminaire via a KO ±
		NLTAIRER2 APIRKO Embedded wireless controls by nLight with UL924 listed emergency operation via power sense leads, Passive Infrared Occ sensor with auto-dimming photocell, Sensor/control mounted external to the luminaire via a KO ±
		See chart for additional control options

NOTE: ± indicates option chosen has ordering restrictions. Please reference ordering restrictions chart, page 3. Options are sorted alphanumerically.

See Accessories and ordering restrictions on next page.



FEM LED

INDUSTRIAL: 1 Acuity Way, Decatur, GA 30035 Phone: 800-705-SERV (7378) www.lithonia.com

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Job Name : INOB

Manufacturer : LITHONIA LIGHTING

Model Number : FEM L96 9000LM IMAFD MD MVOLT GZ10 40K 80CRI

Datasheet

Type :

S

FEM LED Low-Profile Enclosed and Gasketed

Accessories: Order as separate catalog number.					
MHCH 36	3 foot (36 inches) jack chain (pair)	RK1 T10BIT W/PIN U	Hex-base driver bit, Torx TX10, for tamper resistant screws with center reject pin	FEMSMB	Surface mount bracket (ships as pair) (316SS) ‡
MHHK120	10 foot (120 inches) single leg air craft cable (ships as pair)	FEMDPMB	Dual pendant mounting bracket (ships as a pair) (316SS) ‡	FEMEMK	End mount suspension brackets (ships as a pair) (304SS) ‡
MHHK120SS	10 foot (120 inches) single leg air craft cable, stainless steel (ships as pair)	FEMANGBKT	Angle bracket (ships as pair) (316SS) ‡	FEMQMB	Quick mount brackets (ships as pair) (304SS) ‡

‡ Option Value Ordering Restrictions	
Option value	Restriction
2470P	Required when an EM battery and a 3 conductor cordset is selected. The driver and EM battery power inputs will be tied together and the fixture will be not be able to be turned off without controls. When ordered with a cordset that includes a plug, the max cord length will be 3 feet. Consult local codes to determine if this is allowable.
ANGBKT	For wall mount applications. If mounted in an upward orientation, fixture will be damp location listed only.
AO	Not available with L24. Not available with Sensor Switch embedded dimming controls, nLight embedded controls, 5 conductor dual voltage (CNP165C) or 5 conductor dimming (CNP165CD) cordsets. Available with non-dimming Sensor Switch embedded controls (SBOR6 or SBOR10; occupancy only).
BE6WCP	Utilizes Bodine® BSL36 Cold-Pak emergency driver. Not available with L24 length, 347, 480 or HVOLT. Available with 4 conductor (CNP164C) cordsets. Also available with 3 conductor (CNP16) cordsets or a cordset with a plug (CPTL16, CPTL20A16). Plug requires 2470P option.
CMCMBH16YW	Not available with ETS, ER controls or WLFEND2. Not NEMA Type 4X rated.
CNP164CWWL	Not available with ETS, ER controls or WLFEND2. Not NEMA Type 4X rated. When damp location is required, remove the WL from the nomenclature.
CNP165CDWWL	Not available with ETS, AO, Sensor Switch embedded dimming controls, nLight embedded controls or WLFEND2. Available with non-dimming Sensor Switch embedded controls (SBGR; occupancy only). 2470P required when ordered with EM batteries. Not NEMA Type 4X rated. When damp location is required, remove the WL from the nomenclature.
CNP165CWWL	Available with ETS or ER controls only. Not NEMA Type 4X rated.
CNP16WWL	Not available with BE6WCP, E10WMCP or WLFEND2. 2470P required when ordered with EM batteries. Not NEMA Type 4X rated. When damp location is required, remove the WL from the nomenclature.
CP5BW	Damp Location only. Not available with ETS or ER controls. When ordered with EM battery, 2470P is required. Not NEMA Type 4X rated.
CPTL16W, CPTL20A16W	Damp Location only. Not available with ETS or ER controls. When ordered with EM batteries, 2470P is required. Not NEMA Type 4X rated.
CPTL16WWL, CPTL20A16WWL	Not available with ETS or ER controls. When ordered with EM batteries, 2470P is required. Not NEMA Type 4X rated.
DL	Required with damp location cords such as CNPW or CP5BW.
DPMB	Replaces standard surface mount bracket. For surface (ceiling) or suspension mount applications using either 3/8" threaded rod or included bail with aircraft cable or chain.
DRYLBL	Required with OCS and OCU.
EMK	Requires the WLFEND2 option.
E7WR2H	Utilizes IOTA® ILB CP07 2H battery. UL924 compliant. Not available with ETS, ER Controls 347, 480 or HVOLT. Available with 4 conductor (CNP164C) cordsets. Available with 3 conductor (CNP16, CPTL16, CPTL20A16) cordsets with 2470P option. Consult local codes to determine if this is allowable.
E10WMCP	Utilizes Power Sentry® PS1055MCP battery. Not available with ETS, ER Controls 347, 480 or HVOLT. Available with 4 conductor (CNP164C) cordsets. Also available with 3 conductor (CNP16) cordsets or a cordset with a plug (CPTL16, CPTL20A16). Plug requires 2470P option. Consult local codes to determine if this is allowable.
ETS	Not available with EM batteries (E10WMCP, BE6WCP), EM or ER controls. 120-277V only. Available with a 5 conductor dual voltage cordset (CNP165C), but not required. Utilizes IOTA ETS DR emergency lighting control device.
FEMANGBKT	For wall mount applications. If mounted in an upward orientation, fixture will be damp location listed only.
FEMDPMB	For surface (ceiling) or suspension mount applications using either 3/8" threaded rod or included bail with aircraft cable or chain.
FEMSMB	Replacement only; ships standard with fixture (unless another mounting option is chosen). For surface (ceiling) or suspension mount applications using included bail with aircraft cable or chain.
FEMQMB	For surface mount applications.
HVOLT	When ordered with L24, available with 6000LM only. When 2000LM, 3000LM, or 4000LM requires 347 or 480 voltage to be specified. Not available with HVOLT. Utilizes a step-down transformer when 347 and 480V are required. When ordered with L48, not available with 3000LM or 4000LM.
IP69K	Requires STSL option. Not available with wet location fittings (WLF, WLFEND, WLFEND2), any cordset or any sensor.
L24	Not available with BE6WCP or AO options.
L48	Not available with WLFMPMP options.
L96	Not available with WLFMPMP options.
MCRMBH16WL	Not available with WLFEND2. 2470P required when ordered with EM batteries. Not NEMA Type 4X rated.
NLTAIR2 APIRKO, NLTAIREM2 APIRKO, NLTAIRER2 APIRKO	Not available WLFEND2. Not NEMA Type 4X rated. IP65 and IP66 rated.
NLTAIR2, NLTAIREM2, NLTAIRER2	Not NEMA Type 4X rated. IP65 and IP66 rated.
QMB	Replaces standard surface mount bracket. For surface mount applications.
SBOR10, SBOR10 D 3V, SBOR10 P	Not available with WLFEND2. IP65 and IP66 rated. Not NEMA Type 4X rated. If high mount sensor is required, remove 10 from nomenclature and replace with 6. EX: SBOR6
WLF	In addition to top mounted fittings, includes (2) Pre-drilled 7/8" holes with water tight plugs (both ends). L24 - 20 inches off-center, L48 - 48 inches off-center, L96 95.7 inches off-center. If cord is ordered, cord will exit from the end of the fixture. Not NEMA Type 4X rated.
WLF4X	In addition to top mounted fittings, includes (2) Pre-drilled 7/8" holes with water tight plugs (both ends). L24 - 20 inches off-center, L48 - 48 inches off-center, L96 95.7 inches off-center. If cord is ordered, cord will exit from the end of the fixture.
WLFEND	Includes (1) Pre-drilled 7/8" hole with water tight plug (opposite end). If cord is ordered, cord will exit from the end of the fixture. Available with cord or sensor option. Choose only one. Not NEMA Type 4X rated.
WLFEND2	Available with NLTAIR2, NLTAIREM2 or NLTAIRER2 (nLight air RIO only). Not available with NLTAIR2 APIRKO, NLTAIREM2 APIRKO or NLTAIRER2 APIRKO (nLight air sensors), SBOR sensors or any cord option. Not NEMA Type 4X rated.
WLFEND24X	Not available with sensor or cord options.
WLFEND4X	Includes (1) Pre-drilled 7/8" hole with water tight plug (opposite end). If cord is ordered, cord will exit from the end of the fixture. Available with cord or sensor option. Choose only one.
WLFMPMP	In addition to the one top mounted fitting, includes (2) Pre-drilled 7/8" holes with water tight plugs (both ends). Not NEMA Type 4X rated.
WLFMPMP4X	In addition to the one top mounted fitting, includes (2) Pre-drilled 7/8" holes with water tight plugs (both ends).



FEM LED

INDUSTRIAL: 1 Acuity Way, Decatur, GA 30035 Phone: 800-705-SERV (7378) www.lithonia.com

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Job Name : INOB

Manufacturer : LITHONIA LIGHTING

Model Number : FEM L96 9000LM IMAFD MD MVOLT GZ10 40K 80CRI

Datasheet

Type :

S

FEM LED Low-Profile Enclosed and Gasketed

OPERATING CHARACTERISTICS ‡

Input Watts ‡	Length	Lumen Package	Distribution	Lens	80CRI	90CRI	80CRI	90CRI	80CRI	90CRI	80CRI	90CRI
					3000K		3500K		4000K		5000K	
13	L24	2000LM	MD	IMACD	2189	1849	2215	1913	2279	1952	2279	1952
					168	142	170	147	175	150	175	150
				IMAFD	2170	1833	2196	1897	2259	1935	2259	1935
					167	141	169	146	174	149	174	149
				IMAFI	2047	1729	2071	1789	2131	1825	2131	1825
					157	133	159	138	164	140	164	140
				LPACL	2155	1820	2180	1883	2244	1921	2244	1921
					166	140	168	145	173	148	173	148
				LPAFL	2156	1821	2181	1884	2245	1922	2245	1922
					166	140	168	145	173	148	173	148
				LPPCL	2176	1838	2202	1902	2265	1940	2265	1940
					167	141	169	146	174	149	174	149
				LPPFL	1938	1637	1961	1694	2018	1728	2018	1728
					149	126	151	130	155	133	155	133
				IMACD	3250	2745	3288	2840	3384	2898	3384	2898
					163	137	164	142	169	145	169	145
20	L24	3000LM	MD	IMAFD	3222	2721	3260	2816	3354	2872	3354	2872
					161	136	163	141	168	144	168	144
				IMAFI	3039	2567	3075	2656	3164	2709	3164	2709
					152	128	154	133	158	135	158	135
				LPACL	3199	2702	3237	2796	3331	2852	3331	2852
					160	135	162	140	167	143	167	143
				LPAFL	3201	2703	3239	2797	3332	2854	3332	2854
					160	135	162	140	167	143	167	143
				LPPCL	3230	2728	3268	2823	3363	2880	3363	2880
					162	136	163	141	168	144	168	144
				LPPFL	2877	2430	2911	2515	2996	2565	2996	2565
					144	122	146	126	150	128	150	128
				IMACD	4370	3691	4422	3819	4550	3896	4550	3896
					168	142	170	147	175	150	175	150
				IMAFD	4332	3659	4383	3786	4510	3862	4510	3855
					167	141	169	146	173	149	173	148
26	L24	4000LM	MD	IMAFI	4086	3451	4134	3571	4254	3643	4254	3643
					157	133	159	137	164	140	164	140
				LPACL	4302	3633	4352	3759	4478	3835	4478	3835
					165	140	167	145	172	148	172	148
				LPAFL	4304	3635	4355	3761	4481	3837	4481	3837
					166	140	168	145	172	148	172	148
				LPPCL	4344	3669	4395	3796	4522	3872	4522	3872
					167	141	169	146	174	149	174	149
				LPPFL	3869	3268	3914	3381	4028	3449	4028	3449
					149	126	151	130	155	133	155	133
				IMACD	6507	5495	6583	5686	6774	5801	6774	5801
					159	134	161	139	165	141	165	141
				IMAFD	6450	5447	6526	5637	6715	5750	6715	5750
					157	133	159	137	164	140	164	140
				IMAFI	6083	5138	6155	5316	6333	5423	6333	5423
					148	125	150	130	154	132	154	132
41	L24	6000LM	MD	LPACL	6404	5409	6480	5597	6667	5710	6667	5710
					156	132	158	137	163	139	163	139
				LPAFL	6408	5412	6483	5600	6671	5713	6671	5713
					156	132	158	137	163	139	163	139
				LPPCL	6467	5462	6543	5651	6732	5765	6732	5765
					158	133	160	138	164	141	164	141
				LPPFL	5760	4865	5828	5034	5997	5135	5997	5135
					140	119	142	123	146	125	146	125

Notes ‡	
Input Watts	120VAC.
Operating Characteristics	Absolute photometry calculated in accordance with IESNA LM-79-08 @ 25°C.



FEM LED

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Job Name : INOB

Manufacturer : LITHONIA LIGHTING

Model Number : FEM L96 9000LM IMAFD MD MVOLT GZ10 40K 80CRI

Datasheet

Type :

S

FEM LED Low-Profile Enclosed and Gasketed

OPERATING CHARACTERISTICS ‡

Input Watts ‡	Length	Lumen Package	Distribution	Lens	80CRI	90CRI	80CRI	90CRI	80CRI	90CRI	80CRI	90CRI					
					3000K		3500K		4000K		5000K						
19	L48	3000LM	MD	IMACD	3002	2536	3038	2624	3126	2677	3126	2677	Lumens				
					158	133	160	138	165	141	165	141	LPW				
				IMAFD	2976	2514	3011	2601	3098	2653	3098	2653	Lumens				
					157	132	158	137	163	140	163	140	LPW				
				IMAFD	2807	2371	2840	2453	2922	2503	2922	2503	Lumens				
					148	125	149	129	154	132	154	132	LPW				
				LPAFL	2955	2496	2990	2583	3077	2635	3077	2635	Lumens				
					156	131	157	136	162	139	162	139	LPW				
				LPAFL	2957	2497	2992	2584	3078	2636	3078	2636	Lumens				
					156	131	157	136	162	139	162	139	LPW				
				LPPCL	2984	2520	3019	2608	3107	2660	3107	2660	Lumens				
					157	133	159	137	164	140	164	140	LPW				
				LPPFL	2658	2245	2689	2323	2767	2370	2767	2370	Lumens				
					140	118	142	122	146	125	146	125	LPW				
				24	L48	4000LM	MD	IMACD	4017	3393	4064	3510	4182	3581	4182	3581	Lumens
									167	141	169	146	174	149	174	149	LPW
IMAFD	3982	3363	4029					3480	4145	3550	4145	3550	Lumens				
	166	140	168					145	173	148	173	148	LPW				
IMAFD	3756	3172	3800					3282	3910	3348	3910	3348	Lumens				
	157	132	158					137	163	140	163	140	LPW				
LPAFL	3954	3339	4000					3455	4116	3525	4116	3525	Lumens				
	165	139	167					144	172	147	172	147	LPW				
LPAFL	3956	3341	4002					3457	4118	3527	4118	3527	Lumens				
	165	139	167					144	172	147	172	147	LPW				
LPPCL	3992	3372	4039					3489	4156	3559	4156	3559	Lumens				
	166	141	168					145	173	148	173	148	LPW				
LPPFL	3556	3003	3598					3108	3702	3170	3702	3170	Lumens				
	148	125	150					130	154	132	154	132	LPW				
39	L48	6000LM	MD					IMACD	6424	5425	6499	5614	6687	5727	6687	5727	Lumens
									165	139	167	144	171	147	171	147	LPW
				IMAFD	6368	5378	6442	5565	6629	5677	6629	5677	Lumens				
					163	138	165	143	170	146	170	146	LPW				
				IMAFD	6006	5072	6076	5248	6252	5354	6252	5354	Lumens				
					154	130	156	135	160	137	160	137	LPW				
				LPAFL	6323	5340	6397	5525	6582	5637	6582	5637	Lumens				
					162	137	164	142	169	145	169	145	LPW				
				LPAFL	6326	5343	6400	5528	6586	5640	6586	5640	Lumens				
					162	137	164	142	169	145	169	145	LPW				
				LPPCL	6384	5392	6459	5579	6646	5691	6646	5691	Lumens				
					164	138	166	143	170	146	170	146	LPW				
				LPPFL	5687	4803	5753	4970	5920	5070	5920	5070	Lumens				
					146	123	148	127	152	130	152	130	LPW				
				51	L48	8000LM	MD	IMACD	8413	7106	8512	7352	8759	7500	8759	7500	Lumens
									165	139	167	144	172	147	172	147	LPW
IMAFD	8340	7044	8438					7288	8682	7435	8682	7435	Lumens				
	164	138	165					143	170	146	170	146	LPW				
IMAFD	7866	6643	7958					6874	8189	7012	8189	7012	Lumens				
	154	130	156					135	161	137	161	137	LPW				
LPAFL	8281	6994	8378					7237	8621	7383	8621	7383	Lumens				
	162	137	164					142	169	145	169	145	LPW				
LPAFL	8285	6998	8383					7241	8626	7386	8626	7386	Lumens				
	162	137	164					142	169	145	169	145	LPW				
LPPCL	8362	7062	8460					7307	8705	7454	8705	7454	Lumens				
	164	138	166					143	171	146	171	146	LPW				
LPPFL	7448	6290	7535					6509	7754	6640	7754	6640	Lumens				
	146	123	148					128	152	130	152	130	LPW				

Notes ‡	
Input Watts	120VAC.
Operating Characteristics	Absolute photometry calculated in accordance with IESNA LM-79-08 @ 25°C.



FEM LED

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Job Name : INOB

Manufacturer : LITHONIA LIGHTING

Model Number : FEM L96 9000LM IMAFD MD MVOLT GZ10 40K 80CRI

Datasheet

Type :

S

FEM LED Low-Profile Enclosed and Gasketed

OPERATING CHARACTERISTICS ‡

Input Watts ‡	Length	Lumen Package	Distribution	Lens	80CRI	90CRI	80CRI	90CRI	80CRI	90CRI	80CRI	90CRI
					3000K		3500K		4000K		5000K	
63	L48	10000LM	MD	IMACD	9971	8421	10088	8714	10380	8889	10380	8889
					158	134	160	138	165	141	165	141
				IMAFD	9884	8348	10000	8638	10290	8811	10290	8811
					157	133	159	137	163	140	163	140
				IMAFD	9322	7873	9432	8147	9705	8311	9705	8311
					148	125	150	129	154	132	154	132
				LPAFL	9814	8289	9929	8577	10217	8749	10217	8749
					156	132	158	136	162	139	162	139
				LPPCL	9820	8293	9935	8581	10223	8754	10223	8754
					156	132	158	136	162	139	162	139
				LPPFL	9910	8370	10026	8660	10317	8835	10317	8835
					157	133	159	137	164	140	164	140
				LPPFL	8827	7455	8931	7714	9189	7869	9189	7869
					140	118	142	122	146	125	146	125
				LPPFL	11776	9945	11914	10291	12259	10498	12259	10498
					157	133	159	137	163	140	163	140
75	L48	12000LM	MD	IMACD	11673	9859	11810	10201	12152	10406	12152	10406
					156	131	157	136	162	139	162	139
				IMAFD	11009	9298	11139	9621	11461	9815	11461	9815
					147	124	149	128	153	131	153	131
				LPAFL	11591	9789	11727	10129	12066	10333	12066	10333
					155	131	156	135	161	138	161	138
				LPPCL	11597	9794	11733	10134	12073	10338	12073	10338
					155	131	156	135	161	138	161	138
				LPPFL	11703	9884	11841	10228	12184	10433	12184	10433
					156	132	158	136	162	139	162	139
				LPPFL	10425	8804	10547	9110	10853	9293	10853	9293
					139	117	141	121	145	124	145	124
				LPPFL	8690	7340	8792	7594	9047	7747	9047	7747
					164	138	166	143	171	146	171	146
				LPPFL	8614	7276	8715	7528	8968	7680	8968	7680
					163	137	164	142	169	145	169	145
53	L96	9000LM	MD	IMACD	8125	6862	8220	7100	8458	7243	8458	7243
					153	129	155	134	160	137	160	137
				IMAFD	8554	7224	8654	7475	8905	7626	8905	7626
					161	136	163	141	168	144	168	144
				LPAFL	8558	7228	8659	7479	8910	7630	8910	7630
					161	136	163	141	168	144	168	144
				LPPCL	8637	7295	8738	7548	8992	7700	8992	7700
					163	138	165	142	170	145	170	145
				LPPFL	7693	6498	7783	6723	8009	6858	8009	6858
					145	123	147	127	151	129	151	129
				LPPFL	12487	10547	12634	10913	13000	11133	13000	11133
					164	139	166	144	171	146	171	146
				LPPFL	12379	10455	12524	10818	12887	11035	12887	11035
					163	138	165	142	170	145	170	145
				LPPFL	11675	9860	11812	10203	12154	10408	12154	10408
					154	130	155	134	160	137	160	137
76	L96	12000LM	MD	LPAFL	12291	10381	12436	10741	12796	10958	12796	10958
					162	137	164	141	168	144	168	144
				LPPCL	12298	10386	12442	10747	12803	10963	12803	10963
					162	137	164	141	168	144	168	144
				LPPFL	12411	10482	12556	10846	12920	11064	12920	11064
					163	138	165	143	170	146	170	146
				LPPFL	11055	9337	11185	9661	11509	9855	11509	9855
					145	123	147	127	151	130	151	130

Notes ‡	
Input Watts	120VAC.
Operating Characteristics	Absolute photometry calculated in accordance with IESNA LM-79-08 @ 25°C.



FEM LED

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Job Name : INOB

Manufacturer : LITHONIA LIGHTING

Model Number : FEM L96 9000LM IMAFD MD MVOLT GZ10 40K 80CRI

Datasheet

Type :

S

FEM LED Low-Profile Enclosed and Gasketed

OPERATING CHARACTERISTICS ‡

Input Watts ‡	Length	Lumen Package	Distribution	Lens	80CRI	90CRI	80CRI	90CRI	80CRI	90CRI	80CRI	90CRI
					3000K		3500K		4000K		5000K	
94	L96	15000LM	MD	IMACD	15528	13115	15710	13570	16166	13843	16166	13843
					165	140	167	144	172	147	172	147
				IMAFD	15393	13000	15573	13452	16025	13723	16025	13723
					164	138	166	143	170	146	170	146
				IMAFD	14518	12261	14688	12687	15114	12943	15114	12943
					154	130	156	135	161	138	161	138
				LPACL	15284	12909	15464	13357	15912	13626	15912	13626
					163	137	165	142	169	145	169	145
				LPAFL	15292	12916	15472	13364	15920	13633	15920	13633
					163	137	165	142	169	145	169	145
				LPPCL	15433	13034	15614	13487	16067	13758	16067	13758
					164	139	166	143	171	146	171	146
				LPPFL	13747	11610	13908	12013	14311	12255	14311	12255
					146	124	148	128	152	130	152	130
				LPPFL	16900	14273	17098	14769	17594	15066	17594	15066
					161	136	163	141	168	143	168	143
105	L96	18000LM	MD	IMACD	16752	14149	16949	14640	17440	14935	17440	14935
					160	135	161	139	166	142	166	142
				IMAFD	15800	13345	15986	13808	16449	14086	16449	14086
					150	127	152	132	157	134	157	134
				IMAFD	16634	14049	16830	14537	17317	14830	17317	14830
					158	134	160	138	165	141	165	141
				LPACL	16643	14056	16838	14545	17327	14837	17327	14837
					159	134	160	139	165	141	165	141
				LPAFL	16796	14186	16993	14678	17486	14974	17486	14974
					160	135	162	140	167	143	167	143
				LPPCL	14961	12636	15137	13074	15575	13338	15575	13338
					142	120	144	125	148	127	148	127
				LPPFL	20400	17229	20639	17827	21237	18186	21237	18186
					161	136	163	140	167	143	167	143
				LPPFL	20222	17079	20459	17672	21052	18027	21052	18027
					159	134	161	139	166	142	166	142
127	L96	20000LM	MD	IMACD	19072	16108	19296	16667	19855	17003	19855	17003
					150	127	152	131	156	134	156	134
				IMAFD	20079	16958	20315	17547	20904	17901	20904	17901
					158	134	160	138	165	141	165	141
				IMAFD	20090	16967	20325	17556	20915	17910	20915	17910
					158	134	160	138	165	141	165	141
				LPACL	20275	17123	20512	17718	21107	18075	21107	18075
					160	135	162	140	166	142	166	142
				LPAFL	18059	15252	18271	15782	18801	16100	18801	16100
					142	120	144	124	148	127	148	127
				LPPCL	23714	20028	23992	20724	24688	21141	24688	21141
					158	134	160	138	165	141	165	141
				LPPFL	23507	19853	23783	20543	24472	20956	24472	20956
					157	132	159	137	163	140	163	140
				LPPFL	22171	18725	22431	19375	23081	19765	23081	19765
					148	125	150	129	154	132	154	132
150	L96	24000LM	MD	IMACD	23342	19714	23615	20398	24300	20809	24300	20809
					156	131	157	136	162	139	162	139
				IMAFD	23354	19724	23628	20409	24313	20820	24313	20820
					156	131	158	136	162	139	162	139
				IMAFD	23569	19905	23845	20597	24536	21011	24536	21011
					157	133	159	137	164	140	164	140
				LPACL	20993	17730	21240	18346	21855	18716	21855	18716
					140	118	142	122	146	125	146	125
				LPAFL	20993	17730	21240	18346	21855	18716	21855	18716
					140	118	142	122	146	125	146	125
				LPPCL	20993	17730	21240	18346	21855	18716	21855	18716
					140	118	142	122	146	125	146	125
				LPPFL	20993	17730	21240	18346	21855	18716	21855	18716
					140	118	142	122	146	125	146	125
				LPPFL	20993	17730	21240	18346	21855	18716	21855	18716
					140	118	142	122	146	125	146	125

Notes ‡	
Input Watts	120VAC.
Operating Characteristics	Absolute photometry calculated in accordance with IESNA LM-79-08 @ 25°C.



FEM LED

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Job Name : INOB

Manufacturer : LITHONIA LIGHTING

Model Number : FEM L96 9000LM IMAFD MD MVOLT GZ10 40K 80CRI

Datasheet

Type :

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FEM LED Low-Profile Enclosed and Gasketed

LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS

L24		2000 LM	3000 LM	4000 LM	6000 LM
-30°C	-22°F	1.047	1.050	1.051	1.056
-20°C	-4°F	1.040	1.042	1.043	1.047
-10°C	14°F	1.032	1.033	1.034	1.038
0°C	32°F	1.024	1.025	1.025	1.027
10°C	50°F	1.015	1.015	1.016	1.017
20°C	68°F	1.005	1.005	1.005	1.006
25°C	77°F	1.000	1.000	1.000	1.000
30°C	86°F	0.995	0.995	0.995	0.994
40°C	104°F	0.984	0.984	0.983	0.982
50°C	122°F	0.973	0.972	0.971	0.969

L48		3000 LM	4000 LM	6000 LM	8000 LM	10000 LM	12000 LM
-30°C	-22°F	1.049	1.051	1.055	1.059	1.064	1.068
-20°C	-4°F	1.041	1.043	1.046	1.050	1.053	1.057
-10°C	14°F	1.033	1.034	1.037	1.040	1.042	1.046
0°C	32°F	1.024	1.025	1.027	1.029	1.031	1.033
10°C	50°F	1.015	1.015	1.017	1.018	1.019	1.020
20°C	68°F	1.005	1.005	1.006	1.006	1.006	1.007
25°C	77°F	1.000	1.000	1.000	1.000	1.000	1.000
30°C	86°F	0.995	0.995	0.994	0.994	0.993	0.993
40°C	104°F	0.984	0.983	0.982	0.981	0.980	0.978
50°C	122°F	0.972	0.971	0.969	0.967	0.965	0.963

L48		9000 LM	12000 LM	15000 LM	18000 LM	20000 LM	24000 LM
-30°C	-22°F	1.061	1.068	1.075	1.079	1.088	1.100
-20°C	-4°F	1.051	1.057	1.063	1.066	1.074	1.083
-10°C	14°F	1.041	1.045	1.050	1.052	1.058	1.066
0°C	32°F	1.030	1.033	1.036	1.038	1.042	1.048
10°C	50°F	1.018	1.020	1.022	1.023	1.026	1.029
20°C	68°F	1.006	1.007	1.008	1.008	1.009	1.010
25°C	77°F	1.000	1.000	1.000	1.000	1.000	1.000
30°C	86°F	0.994	0.993	0.992	0.992	0.991	0.990
40°C	104°F	0.980	0.978	0.976	0.975	0.973	0.969
50°C	122°F	0.967	0.963	0.960	0.958	0.954	0.948

LUMEN MAINTENANCE

Length	Lumens	0 Hrs	25000 Hrs	50000 Hrs	100000 Hrs
L24	2000	100%	92.8%	87.2%	77.0%
	3000	100%	92.8%	87.2%	77.0%
	4000	100%	92.6%	87.2%	77.1%
	6000	100%	93.0%	87.8%	78.3%

Length	Lumens	0 Hrs	25000 Hrs	50000 Hrs	100000 Hrs
L48	3000	100%	92.8%	87.2%	77.0%
	4000	100%	92.8%	87.2%	77.0%
	6000	100%	92.8%	87.2%	77.0%
	8000	100%	92.7%	87.2%	77.2%
	10000	100%	92.9%	87.5%	77.7%
	12000	100%	93.0%	87.8%	78.2%

Length	Lumens	0 Hrs	25000 Hrs	50000 Hrs	100000 Hrs
L96	9000	100%	92.8%	87.2%	77.0%
	12000	100%	92.8%	87.2%	77.0%
	15000	100%	92.6%	87.0%	76.9%
	18000	100%	92.6%	87.1%	77.1%
	20000	100%	92.8%	87.5%	77.7%
	24000	100%	92.9%	87.7%	78.1%

EMERGENCY LUMENS

FEM				
Length	Lumens	BE6WCP	E7WRH	E10WMCP
L24	2000LM	X	1300	1800
	3000LM	X	1300	1800
	4000LM	X	1400	1900
	6000LM	X	1400	1900
L48	3000LM	1200	1400	1900
	4000LM	1200	1400	1900
	6000LM	1250	1450	2000
	8000LM	1250	1450	2000
	10000LM	1250	1450	2000
	12000LM	1250	1450	2000
L96	9000LM	1250	1450	2000
	12000LM	1400	1600	2200
	15000LM	1400	1600	2200
	18000LM	1400	1600	2200
	20000LM	1400	1600	2200
	24000LM	1400	1600	2200



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Job Name : INOB

Manufacturer : LITHONIA LIGHTING

Model Number : FEM L96 9000LM IMAFD MD MVOLT GZ10 40K 80CRI

Datasheet

Type :

S

FEM LED Low-Profile Enclosed and Gasketed

CSA LISTED AMBIENT RATING

Size	Lumen Package	Base ‡		BE6WCP ‡		E10WLCP ‡		E7WR2H ‡		E10WRSTAR/E20WRSTAR ‡	
		Surface	Suspended ‡	Surface	Suspended ‡	Surface	Suspended ‡	Surface	Suspended ‡	Surface	Suspended ‡
L24	2000LM	35°C	45°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	3000LM	35°C	45°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	4000LM	35°C	45°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	6000LM	35°C	45°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
L48	3000LM	35°C	45°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	4000LM	35°C	45°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	6000LM	35°C	45°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	8000LM	35°C	45°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	10000LM	35°C	45°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	12000LM	35°C	35°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
L96	9000LM	35°C	50°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	12000LM	35°C	35°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	15000LM	35°C	35°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	18000LM	35°C	35°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	20000LM	35°C	35°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	24000LM	30°C	35°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C

Notes ‡	
Base	Start temp -40°C.
BE6WCP	Start temp -20°C.
E7WR2H	Start temp 0°C.
E10WMCP	Start temp 5°C.
E10WRSTAR, E20WRSTAR	Start temp 0°C.
Suspended	Installed a minimum of 6" from surface.

NUMBER OF LED BOARDS & DRIVERS

Lumen Package	Fixture Length	Voltage	Number of LED Boards	Number of Drivers
2000LM	L24	Any	1	1
3000LM	L24	Any	1	1
4000LM	L24	Any	2	1
6000LM	L24	Any	2	1
3000LM	L48	Any	1	1
4000LM	L48	Any	1	1
6000LM	L48	Any	2	1
8000LM	L48	Any	2	1
10000LM	L48	Any	2	1
12000LM	L48	Any	2	1
9000LM	L96	Any	2	1
12000LM	L96	Any	4	1
15000LM	L96	Any	4	1
18000LM	L96	MVOLT 120-277	4	1
18000LM	L96	HVOLT 347-480	4	2
20000LM	L96	MVOLT 120-277	4	1
20000LM	L96	HVOLT 347-480	4	2
24000LM	L96	MVOLT 120-277	4	1
24000LM	L96	HVOLT 347-480	4	2

IK RATINGS

Type	Description	IK rating
IMAFI	Acrylic, linear ribbed frosted lens	IK07
IMACD	Acrylic, clear deep lens	IK10
IMAFD	Acrylic, deep frosted lens	IK10
LPAFL	Acrylic, low profile frosted lens	IK10
LPACL	Acrylic, low profile clear lens	IK10
LPPCL	Polycarbonate, low profile clear lens	IK09
LPPFL	Polycarbonate, low profile frosted lens	IK09
Housing	FEM housing can withstand an IK10 level impact and not have any wires or electrical components exposed.	IK10

NEMA PLUG CONFIGURATIONS

Voltage	Straight Blade	15A Twist Lock	20A Twist Lock
MVOLT	NA	NA	NA
120	5-15P	L5-15P	L5-20P
208	NA	L6-15P	L6-20P
240	NA	L6-15P	L6-20P
277	7-15P	L7-15P	L7-20P
HVOLT	NA	NA	NA
347	NA	NA	L24-20P
480	NA	NA	L8-20P
XVOLT	NA	NA	NA
277X	NA	L7-15P	L7-20P
347X	NA	NA	L24-20P
480X	NA	NA	L8-20P

ADDITIONAL CORDSETS

Plug Option	Plug Type	Amperage	Gauge	# of conductors	Color	Location	Length
CNP Cord only	(blank) No plug option (for cord only option)	(blank) 15 amps	16 16 gauge	(blank) 3 conductors	(blank) Black	(blank) Damp	(blank) 6 feet
CP Cord with plug		20A 20 amps		4C 4 conductors (for use with EM battery)	W White	WL Wet ‡	3FT 3 feet
CMC Cord with mini change Plug ‡	TL Twist lock			5C 5 conductors (for use with ETS or ER controls)	Y Yellow ‡		10FT 10 feet
MCR Mini change receptacle	SB Straight blade ‡			5CD 5 conductors (for use with 0-10V dimming)			12FT 12 feet
	MBH Male Brad Harrison						15FT 15 feet
							20FT 20 feet
							25FT 25 feet
							30FT 30 feet

Notes ‡	
CMC	Available in 6ft or 12ft lengths only.
SB	Not available with WL.
WL	Not available with SB.
Y	Available with CMC or MCR only.



FEM LED

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Job Name : INOB

Manufacturer : LITHONIA LIGHTING

Model Number : FEM L96 9000LM IMAFD MD MVOLT GZ10 40K 80CRI

Datasheet

Type :

S

FEM LED Low-Profile Enclosed and Gasketed

DIMENSIONS

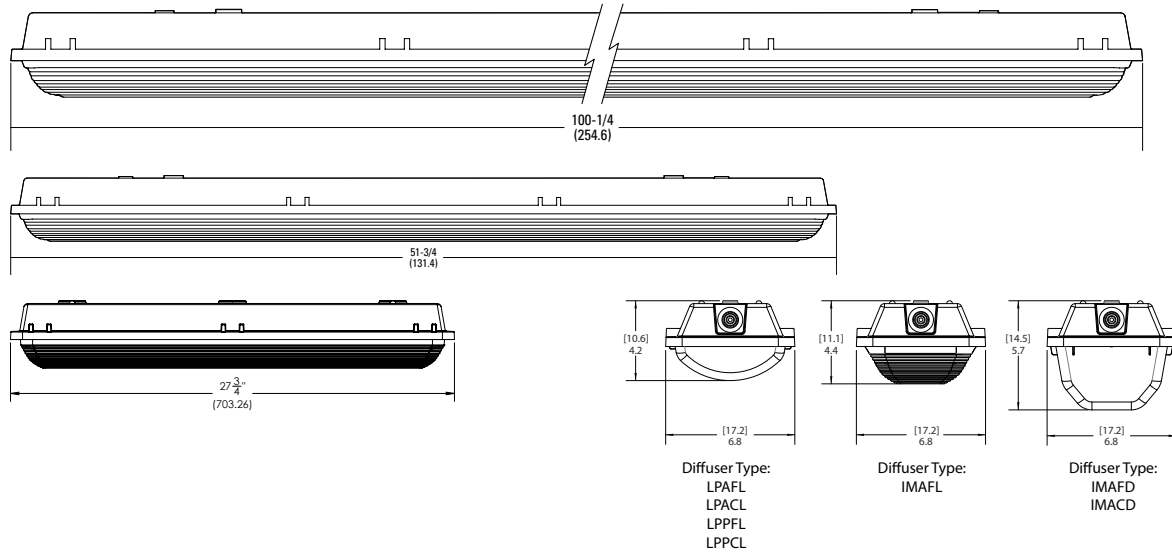
Specifications subject to change without notice.

All dimensions are inches (centimeters) unless otherwise indicated.

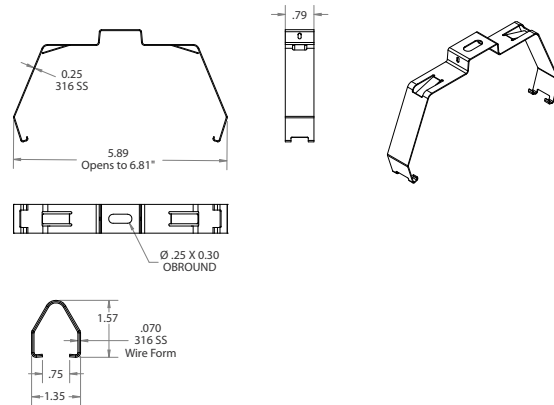
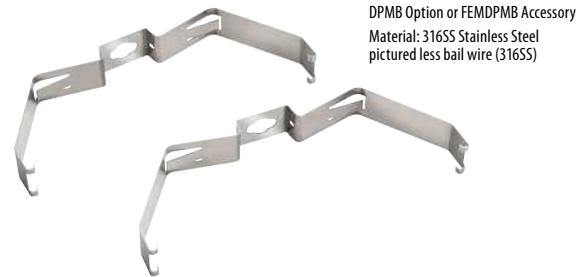
Weight (may vary with options or accessories)

FEM L48: 11.9 lbs (5.397kg)

FEM L96: 24.3 lbs (11.022kg)



MOUNTING OPTIONS



ACCESSORIES

CMCMBH16YWL, MCRMBH16WL
(actual product may vary depending on options chosen)



FEM LED

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Job Name : INOB

Manufacturer : LITHONIA LIGHTING

Model Number : FEM L96 9000LM IMAFD MD MVOLT GZ10 40K 80CRI

Datasheet

Type :

S

FEM LED Low-Profile Enclosed and Gasketed

EMBEDDED LUMINAIRE TECHNOLOGY GUIDE

Control Type	Sensor Nomenclature	Sensor Used (click on part number to link to sensor spec sheet)	Out of the box settings					Notes	Image
			Unoccupied Time Until Dim/Off	Dim to Off Time Delay	Occupied Dim Level	Unoccupied Dim Level	Daylighting Set Point		
Sensor Switch Embedded Controls	SBOR6	SBOR 6 OEX FB3 WH	10M	n/a	100%	0V	n/a	360° High mount sensor, (15-30' mounting heights), outdoor PIR, on/off occupancy	
	SBOR6 D 3V	SBOR 6 OEX D FB3 WH 3V	10M	2.5M	100%	30%	n/a	360° High mount sensor, (15-30' mounting heights), outdoor PIR, occupancy controlled dimming	
	SBOR6 P	SBOR 6 OEX P FB3 WH	10M	n/a	100%	0V	SFC	360° High mount standalone embedded sensor (8-15'), outdoor PIR, on/off photocell	
	SBOR10	SBOR 10 OEX FB3 WH	10M	n/a	100%	0V	n/a	360° Low mount sensor, (8-15' mounting heights), outdoor PIR, on/off occupancy	
	SBOR10 D 3V	SBOR 10 OEX D FB3 WH 3V	10M	2.5M	100%	30%	n/a	360° Low mount sensor, (8-15' mounting heights), outdoor PIR, occupancy controlled dimming	
	SBOR10 P	SBOR 10 OEX P FB3 WH	10M	n/a	100%	0V	SFC	360° Low mount sensor, (8-15' mounting heights), outdoor PIR, on/off photocell	
Sensor Switch Embedded Controls	SBOR6 ER	SBOR 6 OEX FB3 WH ETS DR	10M	n/a	100%	0V	n/a	360° High mount sensor, (15-30' mounting heights), outdoor PIR, on/off occupancy, UL924 emergency operation, includes IOTA ETS DR, 5 conductor power input	
	SBOR6 D 3V ER	SBOR 6 OEX D FB3 WH 3V ETS DR	10M	2.5M	100%	30%	n/a	360° High mount sensor, (15-30' mounting heights), outdoor PIR, occupancy controlled dimming, UL924 emergency operation, includes IOTA ETS DR, 5 conductor power input	
	SBOR6 P ER	SBOR 6 OEX P FB3 WH ETS DR	10M	n/a	100%	0V	SFC	360° High mount standalone embedded sensor (8-15'), outdoor PIR, on/off photocell, UL924 emergency operation, includes IOTA ETS DR, 5 conductor power input	
	SBOR10 ER	SBOR 10 OEX FB3 WH ETS DR	10M	n/a	100%	0V	n/a	360° Low mount sensor, (8-15' mounting heights), outdoor PIR, on/off occupancy, UL924 emergency operation, includes IOTA ETS DR, 5 conductor power input	
	SBOR10 D 3V ER	SBOR 10 OEX D FB3 WH 3V ETS DR	10M	2.5M	100%	30%	n/a	360° Low mount sensor, (8-15' mounting heights), outdoor PIR, occupancy controlled dimming, UL924 emergency operation, includes IOTA ETS DR, 5 conductor power input	
	SBOR10 P ER	SBOR 10 OEX P FB3 WH ETS DR	10M	n/a	100%	0V	SFC	360° Low mount sensor, (8-15' mounting heights), outdoor PIR, on/off photocell, UL924 emergency operation, includes IOTA ETS DR, 5 conductor power input	
nLight Air Embedded Controls	NLTAIR2	RIO ZT 900 G2	n/a	n/a	80%	n/a	n/a	nLight® air embedded network interface, fully programmable with Clarity+ Pro app	
	NLTAIREM2	RIO ZT EM 900 G2	n/a	n/a	80%	n/a	n/a	nLight® air embedded network interface, fully programmable with Clarity+ Pro app, UL924 emergency operation, 3 conductor power input	
	NLTAIRER2	RIO ZT 900 G2 ETS DR	n/a	n/a	80%	n/a	n/a	nLight® air embedded network interface, fully programmable with Clarity+ Pro app, UL924 emergency operation, includes IOTA ETS DR, 5 conductor power input	
	NLTAIR2 APIRKO	RSBOR 10 FB3 WH G2	7.5M	2.5M	100%	10%	50FC	nLight® air generation 2 360° low mount sensor, (8-15' heights), combined daylight and occupancy dimming, fully programmable with Clarity+ Pro app	
	NLTAIR2 APIRMKO	RSBOR 6 FB3 WH G2	7.5M	2.5M	100%	10%	50FC	nLight® air generation 2 360° high mount sensor, (15-30' heights), combined daylight and occupancy dimming, fully programmable with Clarity+ Pro app	
	NLTAIR2 APIRHKO	RSBOR 40 FB3 WH G2	7.5M	2.5M	100%	10%	50FC	nLight® air generation 2 360° high mount site/area sensor, (40' heights), combined daylight and occupancy dimming, fully programmable with Clarity+ Pro app	
	NLTAIREM2 APIRKO	RSBOR 10 EM FB3 WH G2	7.5M	2.5M	100%	10%	50FC	nLight® air generation 2 360° low mount sensor, (8-15' heights), combined daylight and occupancy dimming, fully programmable with Clarity+ Pro app, UL924 emergency operation, 3 conductor power input	
	NLTAIREM2 APIRMKO	RSBOR 6 EM FB3 WH G2	7.5M	2.5M	100%	10%	50FC	nLight® air generation 2 360° high mount sensor, (15-30' heights), combined daylight and occupancy dimming, fully programmable with Clarity+ Pro app, UL924 emergency operation, 3 conductor power input	
	NLTAIREM2 APIRHKO	RSBOR 40 EM FB3 WH G2	7.5M	2.5M	100%	10%	50FC	nLight® air generation 2 360° high mount site/area sensor, (40' heights), combined daylight and occupancy dimming, fully programmable with Clarity+ Pro app, UL924 emergency operation, 3 conductor power input	
	NLTAIRER2 APIRKO	RSBOR 10 FB3 WH G2 ETS DR	7.5M	2.5M	100%	10%	50FC	nLight® air generation 2 360° low mount sensor, (8-15' heights), combined daylight and occupancy dimming, fully programmable with Clarity+ Pro app, UL924 emergency operation, includes IOTA ETS DR, 5 conductor power input	
	NLTAIRER2 APIRMKO	RSBOR 6 FB3 WH G2 ETS DR	7.5M	2.5M	100%	10%	50FC	nLight® air generation 2 360° high mount sensor, (15-30' heights), combined daylight and occupancy dimming, fully programmable with Clarity+ Pro app, UL924 emergency operation, includes IOTA ETS DR, 5 conductor power input	
	NLTAIRER2 APIRHKO	RSBOR 40 FB3 WH G2 ETS DR	7.5M	2.5M	100%	10%	50FC	nLight® air generation 2 360° high mount site/area sensor, (40' heights), combined daylight and occupancy dimming, fully programmable with Clarity+ Pro app, UL924 emergency operation, includes IOTA ETS DR, 5 conductor power input	



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Job Name : INOB

Manufacturer : ELITE LIGHTING

Model Number : LD4IC-AT-DIMTR-DIM10-MVOLT with ELITE
RL407-900L-DIM10-MVOLT-40K-90-W-WH

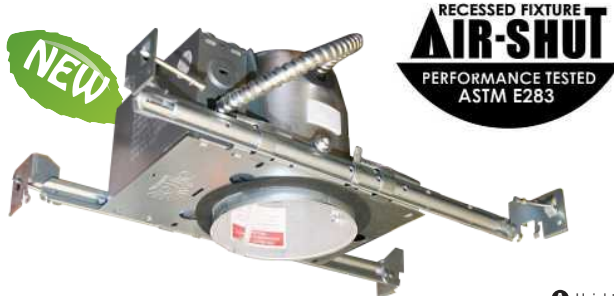
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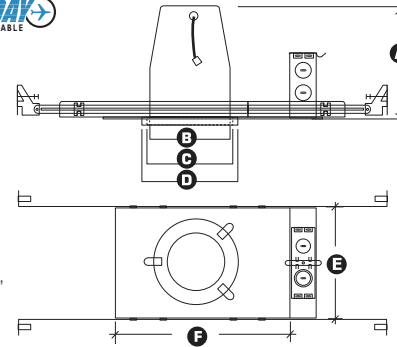
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LD4IC-AT-DIMTR

4" New Construction IC Housing for use with RL400 series LED
Module Lighting Components



SAME DAY
SHIPPING AVAILABLE



- A Height = 5-3/8"
- B Trim Aperture = 4"
- C Cut-out = 4-1/2"
- D Trim Outside Diameter = 5-1/2"
- E Width = 8"
- F Length = 12-1/2"



TO BE USED WITH RL400 SERIES LED MODULE LIGHTING COMPONENT

DESCRIPTION - 4" New Construction IC housing for use with RL400 LED series LED Module trims. Designed for new construction installations and suitable for use in insulation covered or non-insulation covered ceilings. The LD4IC-M-AT-DIMTR housing is engineered with a unique 'EZ-connect' wiring system, that when used with the RL400 trim, with Energy Star and California Title-24 (compliances pending). The unique EZ-connect system also meets other state and national regulatory mandates. LED Module connects effortlessly to housing, virtually eliminating mis-wiring and potential shock hazards.

NOTE - Complete system includes LD4IC-M-AT-DIMTR housing and LED Modules RL400 series trim. RL400 LED Modules trim must be ordered separately.

OUTER HOUSING - Die-formed aluminum and galvanized steel for maximum heat dissipation and rust protection.

INNER HOUSING - High-temperature painted 22-gauge deep drawn single piece housing. Housing adjusts vertically in plaster frame to accommodate 1/2" to 1-3/8" thick ceiling. Housing is IC rated for direct contact with insulation and can be used in IC and NON-IC applications. May be installed in 2" x 8" joist construction.

BAR HANGERS - Preinstalled bar hangers allow housing to be positioned and locked at any point within a 24" joist span. They can be positioned on either the long or short axis of the housing and can be shortened for 12" joists. They contain a double-headed real nail for secure attachment into the joist. Bar hanger nails are installed on a 20° downward angle for better contact, and the 90° pivoting mounting

Example: LD4IC-AT-DIMTR-120

HOUSING TYPE				
☐ LD4IC-AT-DIMTR-120 - Used For Triac Dimming Module				
☐ LD4IC-AT-DIMTR-DIM10-MVOLT - Used For Triac 0-10V Dimming Module				
☐ LD4IC-AT-277 - Used For Non Dimming Module				
☐ EMG - Emergency				
TRIM TYPE	650L SERIES	CCT	CRI	FINISH
RL430 (BAFFLE)	☐ 650L-DIMTR-120	☐ 27K	☐ 85+	☐ W-WH
	☐ 650L-277 (non dimmable)	☐ 30K	☐ 90+	☐ P-WH
		☐ 35K		☐ SN-SN
RL411 (BAFFLE WALL WASH)	☐ 650L-DIMTR-120	☐ 40K		☐ CP-CP
	☐ 650L-277 (non dimmable)	☐ 50K (CRI 85+ ONLY)		☐ BZ-BZ
				☐ P-BK
TRIM TYPE	650L SERIES	CCT	CRI	FINISH
RL407 (REFLECTOR)	☐ 650L-DIMTR-120	☐ 27K	☐ 85+	☐ CL-WH
	☐ 650L-277 (non dimmable)	☐ 30K	☐ 90+	☐ CL-CH
		☐ 35K		☐ CP-CP
RL422 (REFLECTOR WALL WASH)	☐ 650L-DIMTR-120	☐ 40K		☐ MB-WH
	☐ 650L-277 (non dimmable)	☐ 50K (CRI 85+ ONLY)		☐ BZ-BZ
				☐ RG-WH
TRIM TYPE	650L SERIES	CCT	CRI	FINISH
RL428	☐ 650L-DIMTR-120	☐ 30K	☐ 90+	☐ W-WH

plate makes installation fast and accurate. Bar hangers can fit onto T-Bar spline with additional slots and holes for special mounting methods if necessary.

JUNCTION BOX - UL Listed for through-branch circuit wiring, provided with four 1/2" knockouts, one 3/4" knockout and four Romex knockouts with true pry-out slots and strain clamps. Designed for straight through conduit runs.

THERMAL PROTECTION - Standard thermal protection device guards against improper installation and misuse of insulation material.

CONNECTION - Polarity-specific EZ-connect system engineered to match with Elite LED Module trims. Meets strict code requirements where Edison Base Sockets have been banned.

ELITE LED MODULE SOLD SEPARATELY - LED Modules unique 'EZ-connect' wiring system is Title 24 compliant when used with the LD4IC-AT housing. The unique EZ-connect system also meets other state and national regulatory mandates. System is a UL Listed disconnect system that preserves the integrity of the energy-efficient system by insuring only Elite brand trims are used. The EZ-connect system prevents installation of less efficient incandescent luminaires and LEDs.

LISTING

c-UL-us listed for Damp location. Feed Through Wiring. Direct Contact w/ Insulation. LM79/LM80

Covered by U.S. Patent Number: 7717390B1

AIR TIGHT - ASTM E 283

DIMMING INFORMATION

DIMTR (Triac Dimming)
DIM10-MVOLT (0-10V 120/277V)



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FEATURES & SPECIFICATIONS

INTENDED USE — These specifications are for USA standards only. Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION —

Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, 0.120"), or 50 KSI (7-gauge, 0.179"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

Pole Top: Options include 4" tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable top cap.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

Anchor Base/Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

HARDWARE — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH — Extra durable painted finish is coated with TGIC (Triglycidyl Isocyanurate) Polyester powder that meets 5A and 5B classifications of ASTM D3359. Powder-coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes.

GOVERNMENT PROCUREMENT —

BAA — Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA — Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

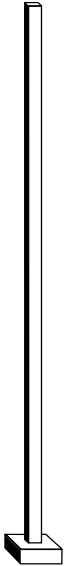
Please refer to www.acuitybrands.com/buy-american for additional information.

INSTALLATION — **Do not** erect poles without having fixtures installed. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage. Lithonia Lighting is not responsible for the foundation design.

WARRANTY — 1-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Catalog Number	SSS 22.5 5G
Notes	INOB
Type	Parking lot light pole



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL



SSS Square Straight Steel Poles

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. Example: SSS 20 5C DM28AS DDBXD

SSS					
Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness ¹	Mounting ²	Options	Finish
SSS	10'-39' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.) (See technical information table for complete ordering information.) 22'-6" pole plus 2'-6" concrete base = 25'-0" total height	4C 4" 11g (0.120") 4G 4" 7g (0.179") 5C 5" 11g (0.120") 5G 5" 7g (0.179") 6G 6" 7g (0.179") (See technical information table for complete ordering information.)	Tenon mounting PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) DSX/RSX/OMERO™ Drill mounting³ DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° RAD drill mounting³ DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM39RAD 3 at 90° DM49RAD 4 at 90° ESX Drill mounting³ DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90° Arm drill mounting To be added as series + drill orientations EX: SMAC19 for SMAC arm drilling 1 at 90°	Shipped installed VD Vibration damper⁴ JHxy J-Hook for cable strain relief⁵ HAXy Horizontal arm bracket (1 fixture)^{5,6} FDLxy Festoon outlet less electrical^{5,7} FDLGFCLxy Festoon with GFCI outlet and in-use cover^{5,8} CPL12/xy 1/2" coupling⁵ CPL34/xy 3/4" coupling⁵ CPL1/xy 1" coupling⁵ NPL12/xy 1/2" threaded nipple⁵ NPL34/xy 3/4" threaded nipple⁵ NPL1/xy 1" threaded nipple⁵ EHXy Extra handhole^{5,9} STLTMP Steel anchor bolt template (standard is paper) STLHHC Steel handhole cover (standard is plastic, finish is smooth)¹⁰ FBCSTL2PC 2 Piece steel base cover (standard is plastic)¹⁰ IC Interior coating¹¹ L/AB Less anchor bolts (Include when anchor bolts are not needed) TP Tamper resistant handhole cover fasteners NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) UL UL listed with label (Includes NEC compliant cover) BAA Buy America(n) Act Compliant¹² VM/original order# Match pole to prior order or project¹³	Super durable paint colors DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DGCXD Charcoal gray DTGXD Tennis green DBRXD Bright red DSBXD Steel blue DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white Other finishes GALV Galvanized finish Architectural colors and special finishes¹⁴ [PAINT] GALV Paint over galvanizing VP30 3 year warranty extension VP53 5 year warranty extension RAL### Use designated Lithonia Lighting nomenclature in brochure Custom color Nomenclature assigned through Customer Care "Custom Color Process"

Accessories: Order as separate catalog number.	
PL DT20	Plugs for ESX drillings
PL DT8	Plugs for DMxxAS drillings
FVD xxFT	Field installed vibration damper (snake style)

- NOTES:
1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.120" | "G" - 0.179".

2. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, specify as drilling option/tenon option. The combination includes a required extra handhole.
Example: DM28/T20.

3. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.

4. On 4" and 5" poles, VD cannot be installed if provisions (EHH, FDL, NPL, CPL) are located higher than 2/3 of the pole's total height.
Example: Pole height is 25ft, A provision cannot be placed above 16ft.

5. Specify location and orientation when ordering option.
For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-".
Example: 5ft = 5 and 20ft 3in = 20-3
For "y": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below.
Example: 1/2" coupling at S' 8", orientation C = CPL12/S-8C

6. Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D. If ordering two horizontal arm at the same height, specify with HAXxy.
Example: HA20BD.

7. FDL does not come with GFCI outlet or handhole cover. These must be supplied by contractor or electrician.

8. Festoon option that comes with GFCI and in-use cover. GFCI and in-use cover ship separately from pole.

9. Combination of tenon-top and drill mount includes extra handhole. EHH includes cover.

10. Plastic hand hole cover and base covers come standard with all poles. Items ship separately. Additional parts can be ordered as replacements.

11. N/A with GALV.

12. Use when mill certifications are required.

13. Must add original order number. Not for replacement parts or post sales issues, contact tech support or post sales teams. VM is used to ensure poles match in appearance exactly from order to order, on a single project site. A common use case would be a multi-phase project with multiple orders. Example: VM/010-36784

14. Must be quoted through AQD. Finishes do not require RFA. RAL colors available are shown in "Architectural Colors brochure". Lead times may be extended up to 2 weeks due to paint procurement.



POLE-SSS

SSS Square Straight Steel Poles

TECHNICAL INFORMATION — EPA (ft ²) with 1.3 gust											
Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in.)	Gauge	EPA (ft ²) with 1.3 gust						Approximate ship weight (lbs.)
					80 MPH	Max. weight	90 MPH	Max. weight	100 MPH	Max. weight	
SSS 10 4C	10	4.0 x 10.0	0.120"	11	30.6	765	23.8	595	18.9	473	75
SSS 12 4C	12	4.0 x 12.0	0.120"	11	24.4	610	18.8	470	14.8	370	90
SSS 14 4C	14	4.0 x 14.0	0.120"	11	19.9	498	15.1	378	11.7	293	100
SSS 16 4C	16	4.0 x 16.0	0.120"	11	15.9	398	11.8	295	8.9	223	115
SSS 18 4C	18	4.0 x 18.0	0.120"	11	12.6	315	9.2	230	6.7	168	125
SSS 20 4C	20	4.0 x 20.0	0.120"	11	9.6	240	6.7	167	4.5	150	140
SSS 20 4G	20	4.0 x 20.0	0.179"	7	14	350	11	275	8	200	198
SSS 20 5C	20	5.0 x 20.0	0.120"	11	17.7	443	12.7	343	9.4	235	185
SSS 20 5G	20	5.0 x 20.0	0.179"	7	28.1	703	21.4	535	16.2	405	265
SSS 25 4C	25	4.0 x 25.0	0.120"	11	4.8	150	2.6	100	1	50	170
SSS 25 4G	25	4.0 x 25.0	0.179"	7	10.8	270	7.7	188	5.4	135	245
SSS 25 5C	25	5.0 x 25.0	0.120"	11	9.8	245	6.3	157	3.7	150	225
SSS 25 5G	25	5.0 x 25.0	0.179"	7	18.5	463	13.3	333	9.5	238	360
SSS 30 4G	30	4.0 x 30.0	0.179"	7	6.7	168	4.4	110	2.6	65	295
SSS 30 5C	30	5.0 x 30.0	0.120"	11	4.7	150	2	50	--	--	265
SSS 30 5G	30	5.0 x 30.0	0.179"	7	10.7	267	6.7	167	3.9	100	380
SSS 30 6G	30	6.0 x 30.0	0.179"	7	19	475	13.2	330	9	225	520
SSS 35 5G	35	5.0 x 35.0	0.179"	7	5.9	150	2.5	100	--	--	440
SSS 35 6G	35	6.0 x 35.0	0.179"	7	12.4	310	7.6	190	4.2	105	540
SSS 39 6G	39	6.0 x 39.0	0.179"	7	7.2	180	3	75	--	--	605

NOTE: EPA values are based ASCE 7-93 wind map.
 * For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

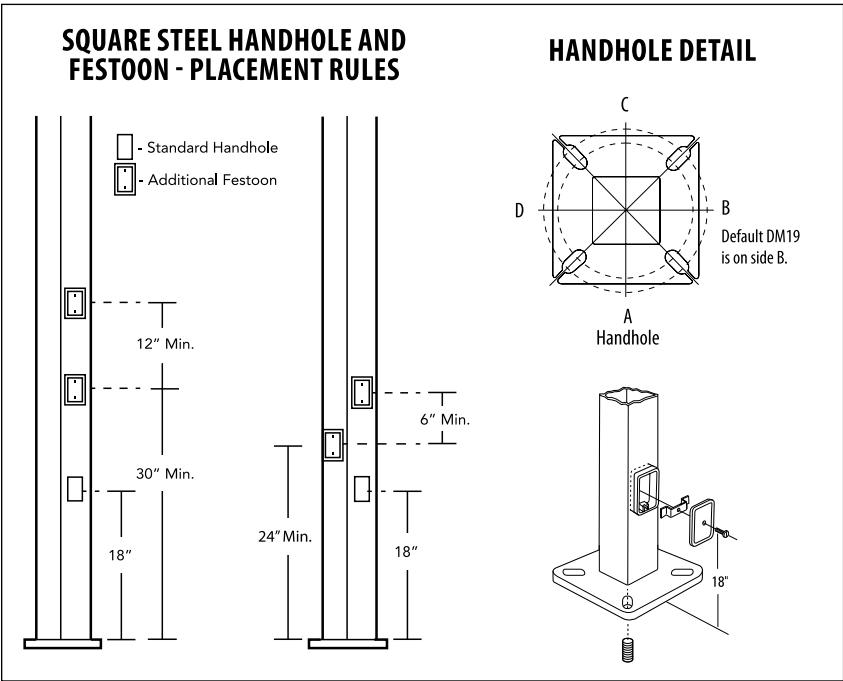
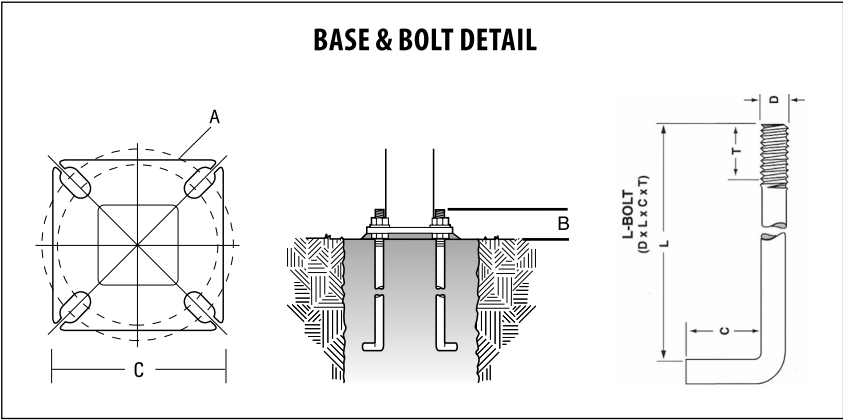
TECHNICAL INFORMATION — EPA (ft ²) WITH 3-SECOND GUST PER AASHTO 2013																	
Series	Mounting Height (ft.)*	Shaft Base Size	90 MPH	Max. weight	100 MPH	Max. weight	110 MPH	Max. weight	120 MPH	Max. weight	130 MPH	Max. weight	140 MPH	Max. weight	150 MPH	Max. weight	Approximate ship weight (lbs.)
SSS	10	4C	20	500	16	400	13	325	10.5	263	8.5	213	7	175	6	150	75
SSS	12	4C	16	400	13	325	10	250	8	200	6.5	163	5	125	4	100	90
SSS	14	4C	13.5	338	10	250	7.5	188	6	150	4.5	113	3.5	88	2.5	63	100
SSS	16	4C	10.5	263	7.5	188	5.5	138	4	100	3	75	1.5	38	1	25	115
SSS	18	4C	8	200	5.5	138	4	100	2.5	63	1.5	38	0.5	13	-	-	125
SSS	18	4G	13	325	9.5	238	7	175	5	125	3.5	88	2.5	63	1.5	38	185
SSS	18	5C	13	325	9.5	238	6.5	163	4.5	113	3	75	1.5	38	.5	13	170
SSS	20	4C	6	150	4	100	2.5	63	1	25	-	-	-	-	-	-	140
SSS	20	4G	10.5	263	7.5	188	5.5	138	3.5	88	2	50	1	25			205
SSS	20	5C	10	250	7	175	4.5	113	2.5	63	1	25	-	-	-	-	185
SSS	20	5G	20	500	15	375	11.5	288	8.5	213	6	150	4.5	113	3	75	265
SSS	25	4C	2	50	0.5	13	-	-	-	-	-	-	-	-	-	-	170
SSS	25	4G	5.5	138	3	75	1.5	38	-	-	-	-	-	-	-	-	245
SSS	25	5C	4.5	113	2	50	-	-	-	-	-	-	-	-	-	-	225
SSS	25	5G	12	300	8.5	213	5.5	138	3	75	1.5	38	-	-	-	-	360
SSS	25	6G	19	475	13.5	338	9	225	5.5	138	3	75	1	25			445
SSS	30	4G	1.5	38	-	-	-	-	-	-	-	-	-	-	-	-	291
SSS	30	5C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	265
SSS	30	5G	6.5	163	3.5	88	1	25	-	-	-	-	-	-	-	-	380
SSS	30	6G	11	275	6	150	2.5	63	-	-	-	-	-	-	-	-	520
SSS	35	5G	2	50	-	-	-	-	-	-	-	-	-	-	-	-	440
SSS	35	6G	4	100	-	-	-	-	-	-	-	-	-	-	-	-	540
SSS	39	6G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	605

NOTE: AASHTO 2013 design criteria is the most common EPA and uses wind map ASCE7-05. Please review the project Spec document to determine the correct design criteria for the poles on your jobsite.
 *For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

SSS Square Straight Steel Poles

ANCHORAGE AND TEMPLATE INFORMATION								
Shaft base size	Bolt circle A	Bolt projection B	Base square C	Base plate thickness	Template description *	Anchor bolt description	Bolt size (in.) D x L x C	Anchor bolt/Template Combo
4"C	8" – 9"	3.25" - 3.75"	8" - 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	3/4 x 18 x 3	ABSSS-4C
4"G	8" – 9"	3.38" - 3.75"	8" - 8.25"	0.875"	ABTEMPLATE PJ50004	AB30-0	3/4 x 30 x 3	ABSSS-4G
5"	10" – 12"	3.5" - 4"	11"	1"	ABTEMPLATE PJ50010	AB36-0	1 x 36 x 4	ABSSS-5
6"	11" – 13"	4" - 4.50"	12.5"	1"	ABTEMPLATE PJ50011	AB36-0	1 x 36 x 4	N/A

* Paper template standard. Add STL to end of description for the steel template.



IMPORTANT INSTALLATION NOTES:

- **Do not** erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.
- Bolt circles have +/- 1/2" tolerance.

CAUTION: These specifications are intended for general purposes only. Lithonia Lighting reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



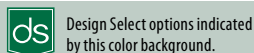
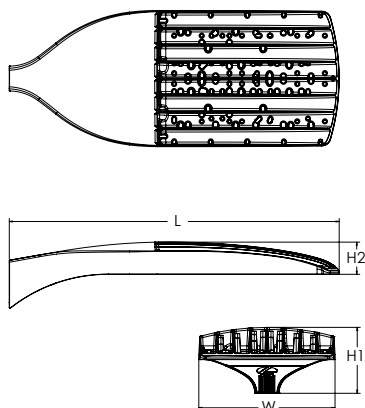
D-Series Size 2 LED Area Luminaire



d^sseries

Specifications

EPA:	1.06 ft ² (0.10 m ²)
Length:	40.59" (103.1 cm)
Width:	16.76" (42.6 cm)
Height H1:	8.11" (20.6 cm)
Height H2:	3.96" (10.1 cm)
Weight:	46 lbs (20.9 kg)



Catalog
Number

Notes

Type

OA1

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of up to 80% vs. 1000W HID and expected service life of over 100,000 hours.



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Ordering Information

EXAMPLE: DSX2 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX2 LED							
Series	LEDs	Color temperature ²	Color Rendering Index ²	Distribution		Voltage	Mounting
DSX2 LED	Forward optics	(this section 70CRI only)		AFR Automotive front row	T5M Type V medium	MVOLT (120V-277V) ⁴	Shipped included
	P1 P5	30K 3000K	70CRI	T1S Type I short	T5LG Type V low glare	HVOLT (347V-480V) ^{5,6}	SPA Square pole mounting (#8 drilling)
	P2 P6	40K 4000K	70CRI	T2M Type II medium	T5W Type V wide	XVOLT (277V - 480V) ^{7,8}	RPA Round pole mounting (#8 drilling)
	P3 P7	50K 5000K	70CRI	T3M Type III medium	BLC3 Type III backlight control ³	120 ^{16, 26}	SPA5 Square pole mounting #5 drilling ⁹
	P4 P8			T3LG Type III low glare ³	BLC4 Type IV backlight control ³	208 ^{16, 26}	RPA5 Round pole mounting #5 drilling ⁹
	Rotated optics	27K 2700K	80CRI	T4M Type IV medium	LCCO Left corner cutoff ³	240 ^{16, 26}	SPA8N Square narrow pole mounting #8 drilling
	P10 ¹ P13 ¹	30K 3000K	80CRI	T4LG Type IV low glare ³	RCCO Right corner cutoff ³	277 ^{16, 26}	WBA Wall bracket ¹⁰
	P11 ¹ P14 ¹	35K 3500K	80CRI	TFTM Forward throw medium		347 ^{16, 26}	MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)
	P12 ¹	40K 4000K	80CRI			480 ^{16, 26}	
		50K 5000K	80CRI				

Control options	Other options	Finish (required)
Shipped installed NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc ^{11, 12, 20, 21} PIR High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc ^{13, 20, 21} PER NEMA twist-lock receptacle only (controls ordered separately) ¹⁴ PER5 Five-pin receptacle only (controls ordered separately) ^{14, 21}	Shipped installed SPD20KV 20KV surge protection HS Houseside shield (black finish standard) ²² L90 Left rotated optics ¹ R90 Right rotated optics ¹ CCE Coastal Construction ²³ HA 50°C ambient operation ²⁴ BAA Buy America(n) Act and/or Build America Buy America Qualified SF Single fuse (120, 277, 347V) ²⁶ DF Double fuse (208, 240, 480V) ²⁶ 3G Vibration rated for 3G ²⁷	Shipped separately EGSR External Glare Shield (reversible, field install required, matches housing finish) BSDB Bird Spikes (field install required) DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DDBTXD Textured dark bronze DBLTXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white
Control options PER7 Seven-pin receptacle only (controls ordered separate) ^{14, 21} FAO Field adjustable output ^{15, 21} BL30 Bi-level switched dimming, 30% ^{16, 21} BL50 Bi-level switched dimming, 50% ^{16, 21} DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹⁷ DS Dual switching ^{18, 19, 21}		



Ordering Information

Accessories

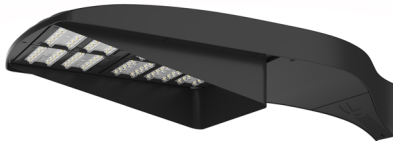
Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁵
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²⁵
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁵
DSHORT SBK	Shorting cap ²⁵
DSX2HS P#	House-side shield (enter package number 1-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSXRPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSX2EGSR (FINISH)	External glare shield (specify finish)
DSX2B5DB (FINISH)	Bird spike deterrent bracket (specify finish)

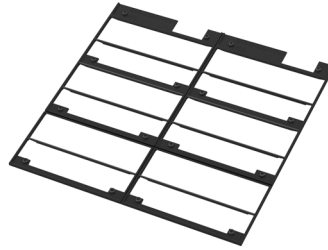
NOTES

- Rotated optics available with packages P10, P11, P12, P13 and P14. Must be combined with option L90 or R90.
- 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
- T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- HVOLT not available with package P10 when combined with option NLTAIR2 PIRHN or option PIR.
- HVOLT operates with any voltage between 277V and 480V (50/60 Hz).
- XVOLT not available in package P10. XVOLT not available in packages P1, P2, P8, P10, P11, P12 and P14 when combined with option NLTAIR2 PIRHN or option PIR. XVOLT not available with fusing (SF or DF).
- SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
- WBA cannot be combined with Type 5 distributions plus photocell (PER).
- NLTAIR2 and PIRHN must be ordered together. For more information on nLight AIR2 visit this [link](#).
- NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50, DMG and DS. NLTAIR2 PIRHN not available with P10 using HVOLT.
- PIR not available with NLTAIR2 PIRHN, PER, PER5, PER7, FAO BL30, BL50, DMG and DS. PIR not available with P10 using HVOLT.
- PER/PER5/PER7 not available with NLTAIR2 PIRHN, PIR, BL30, BL50, FAO, DMG and DS. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, DMG and DS.
- BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO, DMG and DS. BL30 or BL50 must specify 120 or 277V.
- DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DS.
- DS not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DMG.
- DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads on P1, P2, P3, P4, P5 (2 drivers). Note: Provides 60/40 operation using (2) different sets of leads on P6, P7, P8, P9, P10, P11, P12, P13, P14 (3 drivers).
- Reference Motion Sensor Default Settings table on page 4 to see functionality.
- Reference Controls Options table on page 4.
- HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- CCE option not available with option BS and EGSR. Contact Technical Support for availability.
- Option HA not available with performance packages P5, P6, P7, P8, P13 and P14.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
- Single fuse (SF) requires 120V, 277V, or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).
- Option 3G for use with (MA) mast arm mount only when 3G vibration is required.

Shield Accessories



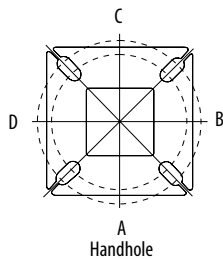
External Glare Shield (EGSR)



House Side Shield (HS)

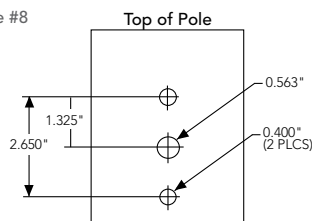
Drilling

HANDHOLE ORIENTATION



Handhole

Template #8



Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
Minimum Acceptable Outside Pole Dimension							
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPA5	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

DSX2 Area Luminaire - EPA

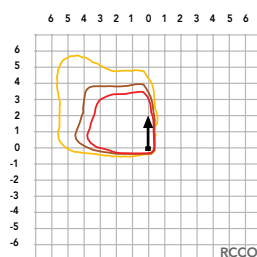
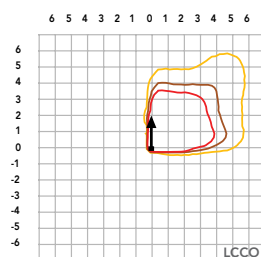
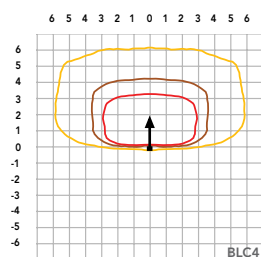
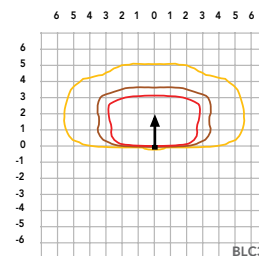
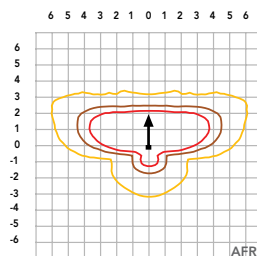
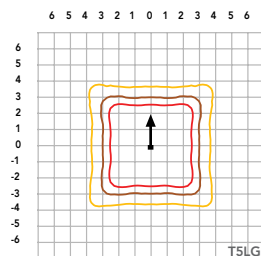
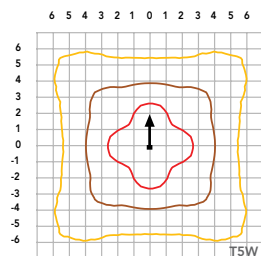
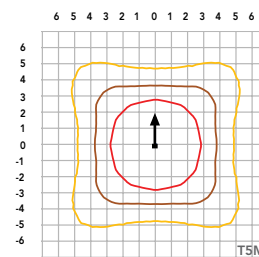
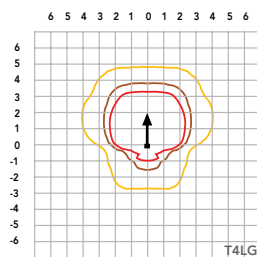
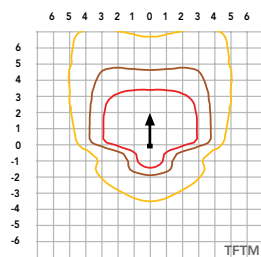
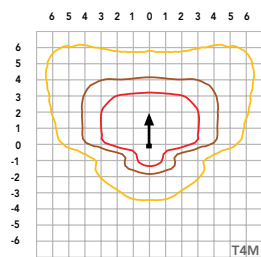
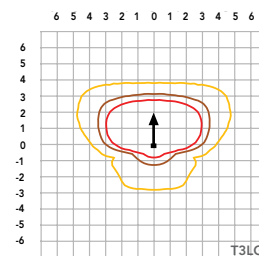
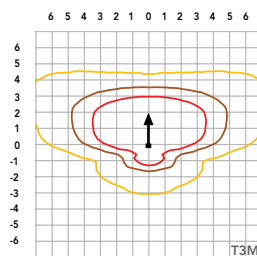
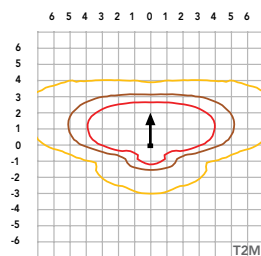
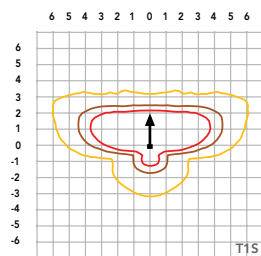
*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX2 with SPA	1.06	2.12	1.84	2.32	---	2.33
DSX2 with SPA5, SPA8N	1.07	2.14	1.90	2.43	---	2.44
DSX2 with RPA, RPA5	1.07	2.14	1.90	2.43	2.31	2.44
DSX2 with MA	1.20	2.40	2.12	3.00	2.92	3.00

Isofootcandle plots for the DSX2 LED P8 40K 70CRI. Distances are in units of mounting height (40').

LEGEND

- 0.1 fc
- 0.5 fc
- 1.0 fc



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.03
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.95
50,000	0.90
100,000	0.82

FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use published values for each package based on input watts and lumens by optic type.

Electrical Load

	Performance Package	LED Count	Drive Current (mA)	Wattage	Current (A)					
					120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	80	530	135	1.12	0.65	0.56	0.49	0.39	0.28
	P2	80	700	181	1.49	0.86	0.75	0.65	0.52	0.37
	P3	80	850	222	1.83	1.05	0.91	0.79	0.63	0.46
	P4	80	1050	277	2.27	1.31	1.14	0.98	0.79	0.57
	P5	80	1250	333	2.72	1.57	1.36	1.18	0.94	0.68
	P6	100	1050	345	2.85	1.64	1.42	1.23	0.98	0.71
	P7	100	1250	414	3.41	1.97	1.70	1.48	1.18	0.85
	P8	100	1400	466	3.85	2.22	1.93	1.67	1.33	0.96
Rotated Optics (Requires L90 or R90)	P10	90	530	152	1.27	0.73	0.63	0.55	0.44	0.32
	P11	90	700	203	1.69	0.97	0.84	0.73	0.58	0.42
	P12	90	850	249	2.06	1.19	1.03	0.89	0.71	0.52
	P13	90	1200	358	2.95	1.70	1.47	1.28	1.02	0.74
	P14	90	1400	421	3.46	2.00	1.73	1.50	1.20	0.87

LED Color Temperature / Color Rendering Multipliers

	70 CRI		80CRI		90CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Photocell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PERS or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	135W	80	530	T1S	19,946	2	0	3	148	20,787	2	0	3	155	21,192	2	0	3	158
				T2M	18,477	3	0	4	137	19,256	3	0	4	143	19,632	3	0	4	146
				T3M	18,691	3	0	5	139	19,480	3	0	5	145	19,859	3	0	5	148
				T3LG	16,696	2	0	2	124	17,400	2	0	2	129	17,740	2	0	2	132
				T4M	18,970	3	0	5	141	19,770	3	0	5	147	20,155	3	0	5	150
				T4LG	17,253	2	0	2	128	17,981	2	0	2	134	18,331	2	0	2	136
				TFTM	19,101	3	0	5	142	19,907	3	0	5	148	20,295	3	0	5	151
				T5M	19,517	5	0	3	145	20,341	5	0	3	151	20,737	5	0	3	154
				T5W	19,834	5	0	3	147	20,670	5	0	3	154	21,073	5	0	3	157
				T5LG	19,574	4	0	2	146	20,400	4	0	2	152	20,797	4	0	2	155
				BLC3	13,595	0	0	3	101	14,169	0	0	3	105	14,445	0	0	3	107
				BLC4	14,042	0	0	4	104	14,634	0	0	4	109	14,919	0	0	4	111
				RCCO	13,718	1	0	3	102	14,297	1	0	3	106	14,576	1	0	3	108
				LCCO	13,718	1	0	3	102	14,297	1	0	3	106	14,576	1	0	3	108
				AFR	19,946	2	0	3	148	20,787	2	0	3	155	21,192	2	0	3	158
P2	179W	80	700	T1S	25,520	3	0	3	142	26,597	3	0	3	148	27,116	3	0	3	151
				T2M	23,641	3	0	5	132	24,638	3	0	5	137	25,118	3	0	5	140
				T3M	23,915	3	0	5	133	24,924	3	0	5	139	25,410	3	0	5	142
				T3LG	21,363	3	0	3	119	22,264	3	0	3	124	22,698	3	0	3	127
				T4M	24,272	3	0	5	135	25,296	3	0	5	141	25,789	3	0	5	144
				T4LG	22,075	3	0	3	123	23,006	3	0	3	128	23,455	3	0	3	131
				TFTM	24,440	3	0	5	136	25,471	3	0	5	142	25,967	3	0	5	145
				T5M	24,972	5	0	3	139	26,026	5	0	3	145	26,533	5	0	4	148
				T5W	25,377	5	0	4	142	26,448	5	0	4	148	26,963	5	0	4	150
				T5LG	25,045	4	0	2	140	26,101	4	0	2	146	26,610	4	0	2	148
				BLC3	17,395	0	0	4	97	18,129	0	0	4	101	18,482	0	0	4	103
				BLC4	17,966	0	0	4	100	18,724	0	0	5	104	19,089	0	0	5	107
				RCCO	17,552	1	0	4	98	18,293	1	0	4	102	18,649	1	0	4	104
				LCCO	17,552	1	0	4	98	18,293	1	0	4	102	18,649	1	0	4	104
				AFR	25,520	3	0	3	142	26,597	3	0	3	148	27,116	3	0	3	151
P3	219W	80	850	T1S	30,127	3	0	4	137	31,398	3	0	4	143	32,010	3	0	4	146
				T2M	27,908	3	0	5	127	29,085	3	0	5	133	29,652	3	0	5	135
				T3M	28,232	3	0	5	129	29,423	3	0	5	134	29,996	3	0	5	137
				T3LG	25,218	3	0	3	115	26,282	3	0	3	120	26,794	3	0	3	122
				T4M	28,652	3	0	5	131	29,861	3	0	5	136	30,443	3	0	5	139
				T4LG	26,059	3	0	3	119	27,159	3	0	3	124	27,688	3	0	3	126
				TFTM	28,851	3	0	5	132	30,068	3	0	5	137	30,654	3	0	5	140
				T5M	29,479	5	0	4	134	30,723	5	0	4	140	31,322	5	0	4	143
				T5W	29,957	5	0	4	137	31,221	5	0	4	142	31,830	5	0	4	145
				T5LG	29,565	4	0	2	135	30,812	5	0	2	140	31,413	5	0	2	143
				BLC3	20,535	0	0	4	94	21,401	0	0	4	98	21,818	0	0	4	99
				BLC4	21,209	0	0	5	97	22,104	0	0	5	101	22,534	0	0	5	103
				RCCO	20,720	1	0	4	94	21,594	1	0	4	98	22,015	1	0	4	100
				LCCO	20,720	1	0	4	94	21,594	1	0	4	98	22,015	1	0	4	100
				AFR	30,127	3	0	4	137	31,398	3	0	4	143	32,010	3	0	4	146
P4	273W	80	1050	T1S	35,879	3	0	4	132	37,392	3	0	4	137	38,121	3	0	4	140
				T2M	33,236	3	0	5	122	34,638	3	0	5	127	35,313	3	0	5	130
				T3M	33,622	3	0	5	123	35,040	3	0	5	129	35,723	3	0	5	131
				T3LG	30,033	3	0	4	110	31,300	3	0	4	115	31,910	3	0	4	117
				T4M	34,123	3	0	5	125	35,562	3	0	5	130	36,255	3	0	5	133
				T4LG	31,035	3	0	4	114	32,344	3	0	4	119	32,974	3	0	4	121
				TFTM	34,359	3	0	5	126	35,808	3	0	5	131	36,506	3	0	5	134
				T5M	35,108	5	0	4	129	36,589	5	0	4	134	37,302	5	0	4	137
				T5W	35,677	5	0	4	131	37,182	5	0	5	136	37,907	5	0	5	139
				T5LG	35,209	5	0	3	129	36,695	5	0	3	135	37,410	5	0	3	137
				BLC3	24,456	0	0	4	90	25,487	0	0	4	93	25,984	0	0	5	95
				BLC4	25,258	0	0	5	93	26,324	0	0	5	97	26,837	0	0	5	98
				RCCO	24,676	1	0	4	91	25,717	1	0	4	94	26,218	1	0	4	96
				LCCO	24,676	1	0	4	91	25,717	1	0	4	94	26,218	1	0	4	96
				AFR	35,879	3	0	4	132	37,392	3	0	4	137	38,121	3	0	4	140

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P5	327W	80	1250	T1S	41,149	3	0	4	126	42,885	3	0	4	131	43,721	3	0	4	134
				T2M	38,118	4	0	5	117	39,727	4	0	5	122	40,501	4	0	5	124
				T3M	38,561	3	0	5	118	40,187	3	0	5	123	40,971	3	0	5	125
				T3LG	34,445	3	0	4	105	35,898	3	0	4	110	36,598	3	0	4	112
				T4M	39,135	3	0	5	120	40,786	3	0	5	125	41,581	3	0	5	127
				T4LG	35,594	3	0	4	109	37,095	3	0	4	114	37,818	3	0	4	116
				TFTM	39,406	3	0	5	121	41,069	3	0	5	126	41,869	3	0	5	128
				T5M	40,265	5	0	4	123	41,964	5	0	4	128	42,782	5	0	5	131
				T5W	40,918	5	0	5	125	42,644	5	0	5	131	43,475	5	0	5	133
				T5LG	40,382	5	0	3	124	42,085	5	0	3	129	42,906	5	0	3	131
				BLC3	28,048	0	0	5	86	29,231	0	0	5	90	29,801	0	0	5	91
				BLC4	28,969	0	0	5	89	30,191	0	0	5	92	30,779	0	0	5	94
				RCCO	28,301	2	0	5	87	29,495	2	0	5	90	30,070	2	0	5	92
				LCCO	28,301	2	0	5	87	29,495	2	0	5	90	30,070	2	0	5	92
				AFR	41,149	3	0	4	126	42,885	3	0	4	131	43,721	3	0	4	134
P6	342W	100	1050	T1S	45,968	3	0	4	135	47,907	3	0	5	140	48,841	3	0	5	143
				T2M	42,582	4	0	5	125	44,379	4	0	5	130	45,244	4	0	5	132
				T3M	43,076	4	0	5	126	44,894	4	0	5	131	45,769	4	0	5	134
				T3LG	38,479	3	0	4	113	40,102	3	0	4	117	40,884	3	0	4	120
				T4M	43,719	4	0	5	128	45,563	4	0	5	133	46,451	4	0	5	136
				T4LG	39,762	3	0	4	116	41,439	3	0	4	121	42,247	3	0	4	124
				TFTM	44,021	3	0	5	129	45,878	4	0	5	134	46,772	4	0	5	137
				T5M	44,980	5	0	5	132	46,878	5	0	5	137	47,792	5	0	5	140
				T5W	45,710	5	0	5	134	47,638	5	0	5	139	48,566	5	0	5	142
				T5LG	45,111	5	0	3	132	47,014	5	0	3	138	47,930	5	0	3	140
				BLC3	31,333	0	0	5	92	32,655	0	0	5	96	33,291	0	0	5	97
				BLC4	32,361	0	0	5	95	33,726	0	0	5	99	34,384	0	0	5	101
				RCCO	31,615	2	0	5	93	32,949	2	0	5	96	33,591	2	0	5	98
				LCCO	31,615	2	0	5	93	32,949	2	0	5	96	33,591	2	0	5	98
				AFR	45,968	3	0	4	135	47,907	3	0	5	140	48,841	3	0	5	143
P7	409W	100	1250	T1S	52,692	3	0	5	129	54,915	3	0	5	134	55,986	3	0	5	137
				T2M	48,811	4	0	5	119	50,871	4	0	5	124	51,862	4	0	5	127
				T3M	49,378	4	0	5	121	51,461	4	0	5	126	52,464	4	0	5	128
				T3LG	44,107	3	0	4	108	45,968	3	0	4	112	46,864	3	0	5	115
				T4M	50,114	4	0	5	122	52,228	4	0	5	128	53,246	4	0	5	130
				T4LG	45,579	3	0	4	111	47,501	3	0	4	116	48,427	3	0	4	118
				TFTM	50,460	4	0	5	123	52,589	4	0	5	129	53,614	4	0	5	131
				T5M	51,560	5	0	5	126	53,735	5	0	5	131	54,783	5	0	5	134
				T5W	52,396	5	0	5	128	54,607	5	0	5	133	55,671	5	0	5	136
				T5LG	51,710	5	0	4	126	53,891	5	0	4	132	54,941	5	0	4	134
				BLC3	35,916	1	0	5	88	37,431	1	0	5	91	38,161	1	0	5	93
				BLC4	37,095	0	0	5	91	38,660	0	0	5	94	39,413	0	0	5	96
				RCCO	36,240	2	0	5	89	37,769	2	0	5	92	38,505	2	0	5	94
				LCCO	36,240	2	0	5	89	37,769	2	0	5	92	38,505	2	0	5	94
				AFR	52,692	3	0	5	129	54,915	3	0	5	134	55,986	3	0	5	137
P8	462W	100	1400	T1S	57,662	3	0	5	125	60,094	4	0	5	130	61,266	4	0	5	132
				T2M	53,415	4	0	5	116	55,668	4	0	5	120	56,753	4	0	5	123
				T3M	54,034	4	0	5	117	56,314	4	0	5	122	57,412	4	0	5	124
				T3LG	48,267	3	0	5	104	50,304	3	0	5	109	51,284	4	0	5	111
				T4M	54,840	4	0	5	119	57,154	4	0	5	124	58,268	4	0	5	126
				T4LG	49,877	3	0	5	108	51,981	3	0	5	112	52,994	3	0	5	115
				TFTM	55,219	4	0	5	119	57,549	4	0	5	124	58,671	4	0	5	127
				T5M	56,423	5	0	5	122	58,803	5	0	5	127	59,949	5	0	5	130
				T5W	57,338	5	0	5	124	59,757	5	0	5	129	60,921	5	0	5	132
				T5LG	56,586	5	0	4	122	58,974	5	0	4	128	60,123	5	0	4	130
				BLC3	39,303	1	0	5	85	40,962	1	0	5	89	41,760	1	0	5	90
				BLC4	40,593	0	0	5	88	42,306	0	0	5	91	43,130	0	0	5	93
				RCCO	39,658	2	0	5	86	41,331	2	0	5	89	42,137	2	0	5	91
				LCCO	39,658	2	0	5	86	41,331	2	0	5	89	42,137	2	0	5	91
				AFR	57,662	3	0	5	125	60,094	4	0	5	130	61,266	4	0	5	132

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Rotated Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K						40K						50K					
					(3000K, 70 CRI)						(4000K, 70 CRI)						(5000K, 70 CRI)					
					Lumens	B	U	G	LPW		Lumens	B	U	G	LPW		Lumens	B	U	G	LPW	
P10	152W	90	530	T1S	22,798	4	0	4	150		23,760	4	0	4	156		24,223	4	0	4	159	
				T2M	21,119	5	0	5	139		22,010	5	0	5	145		22,439	5	0	5	148	
				T3M	21,361	5	0	5	141		22,262	5	0	5	147		22,696	5	0	5	149	
				T3LG	19,084	4	0	4	126		19,889	4	0	4	131		20,277	4	0	4	133	
				T4M	21,679	5	0	5	143		22,594	5	0	5	149		23,034	5	0	5	152	
				T4LG	19,717	4	0	4	130		20,549	4	0	4	135		20,950	4	0	4	138	
				TFTM	21,833	5	0	5	144		22,754	5	0	5	150		23,197	5	0	5	153	
				T5M	22,305	5	0	3	147		23,246	5	0	3	153		23,699	5	0	3	156	
				T5W	22,667	5	0	3	149		23,623	5	0	4	155		24,084	5	0	4	158	
				T5LG	22,370	4	0	2	147		23,314	4	0	2	153		23,768	4	0	2	156	
				BLC3	15,539	4	0	4	102		16,194	4	0	4	107		16,510	4	0	4	109	
				BLC4	16,048	4	0	4	106		16,725	4	0	4	110		17,051	4	0	4	112	
				RCCO	15,679	1	0	3	103		16,340	1	0	3	108		16,659	1	0	3	110	
				LCCO	15,679	1	0	3	103		16,340	1	0	3	108		16,659	1	0	3	110	
				AFR	22,798	4	0	4	150		23,760	4	0	4	156		24,223	4	0	4	159	
P11	203W	90	700	T1S	29,222	4	0	4	144		30,455	4	0	4	150		31,048	4	0	4	153	
				T2M	27,070	5	0	5	134		28,212	5	0	5	139		28,762	5	0	5	142	
				T3M	27,380	5	0	5	135		28,535	5	0	5	141		29,091	5	0	5	144	
				T3LG	24,462	4	0	4	121		25,493	4	0	4	126		25,990	4	0	4	128	
				T4M	27,788	5	0	5	137		28,960	5	0	5	143		29,525	5	0	5	146	
				T4LG	25,273	4	0	4	125		26,339	4	0	4	130		26,853	4	0	4	133	
				TFTM	27,985	5	0	5	138		29,165	5	0	5	144		29,734	5	0	5	147	
				T5M	28,591	5	0	4	141		29,797	5	0	4	147		30,377	5	0	4	150	
				T5W	29,054	5	0	4	143		30,280	5	0	4	149		30,870	5	0	4	152	
				T5LG	28,673	4	0	2	142		29,883	4	0	2	148		30,465	5	0	2	150	
				BLC3	19,917	4	0	4	98		20,757	4	0	4	102		21,162	4	0	4	104	
				BLC4	20,570	5	0	5	102		21,437	5	0	5	106		21,855	5	0	5	108	
				RCCO	20,097	1	0	4	99		20,945	1	0	4	103		21,353	1	0	4	105	
				LCCO	20,097	1	0	4	99		20,945	1	0	4	103		21,353	1	0	4	105	
				AFR	29,222	4	0	4	144		30,455	4	0	4	150		31,048	4	0	4	153	
P12	248W	90	850	T1S	34,526	5	0	5	139		35,983	5	0	5	145		36,684	5	0	5	148	
				T2M	31,984	5	0	5	129		33,333	5	0	5	135		33,983	5	0	5	137	
				T3M	32,350	5	0	5	131		33,715	5	0	5	136		34,372	5	0	5	139	
				T3LG	28,902	4	0	4	117		30,121	4	0	4	122		30,708	4	0	4	124	
				T4M	32,832	5	0	5	133		34,217	5	0	5	138		34,884	5	0	5	141	
				T4LG	29,861	4	0	4	121		31,120	4	0	4	126		31,727	5	0	4	128	
				TFTM	33,064	5	0	5	134		34,459	5	0	5	139		35,131	5	0	5	142	
				T5M	33,780	5	0	4	136		35,205	5	0	4	142		35,891	5	0	4	145	
				T5W	34,327	5	0	4	139		35,776	5	0	4	145		36,473	5	0	4	147	
				T5LG	33,878	5	0	3	137		35,307	5	0	3	143		35,995	5	0	3	145	
				BLC3	23,532	5	0	5	95		24,525	5	0	5	99		25,003	5	0	5	101	
				BLC4	24,303	5	0	5	98		25,328	5	0	5	102		25,822	5	0	5	104	
				RCCO	23,745	1	0	4	96		24,747	1	0	4	100		25,229	1	0	4	102	
				LCCO	23,745	1	0	4	96		24,747	1	0	4	100		25,229	1	0	4	102	
				AFR	34,526	5	0	5	139		35,983	5	0	5	145		36,684	5	0	5	148	

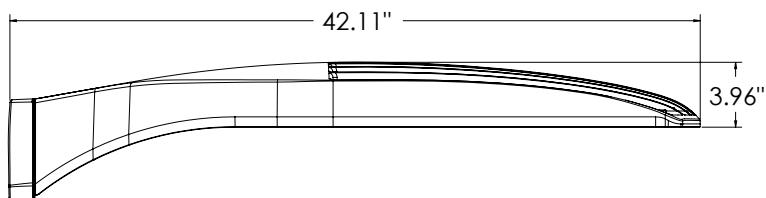
Performance Data

Lumen Output

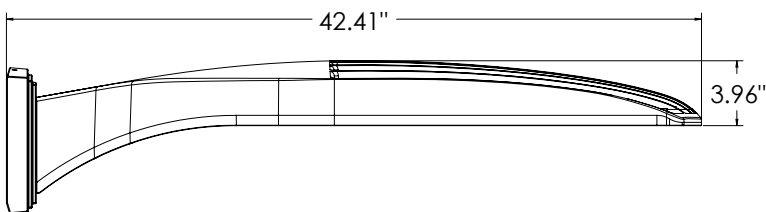
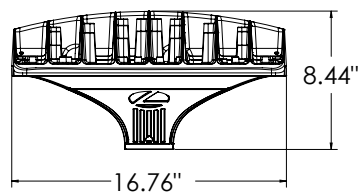
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Rotated Optics																			
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P13	354W	90	1200	T1S	45,748	5	0	5	129	47,678	5	0	5	135	48,608	5	0	5	137
				T2M	42,380	5	0	5	120	44,168	5	0	5	125	45,029	5	0	5	127
				T3M	42,865	5	0	5	121	44,673	5	0	5	126	45,544	5	0	5	129
				T3LG	38,296	5	0	5	108	39,911	5	0	5	113	40,689	5	0	5	115
				T4M	43,503	5	0	5	123	45,339	5	0	5	128	46,222	5	0	5	131
				T4LG	39,566	5	0	5	112	41,235	5	0	5	117	42,039	5	0	5	119
				TFTM	43,811	5	0	5	124	45,659	5	0	5	129	46,549	5	0	5	132
				T5M	44,760	5	0	5	126	46,648	5	0	5	132	47,557	5	0	5	134
				T5W	45,485	5	0	5	129	47,404	5	0	5	134	48,328	5	0	5	137
				T5LG	44,889	5	0	3	127	46,783	5	0	3	132	47,695	5	0	3	135
				BLC3	31,181	5	0	5	88	32,496	5	0	5	92	33,130	5	0	5	94
				BLC4	32,202	5	0	5	91	33,561	5	0	5	95	34,215	5	0	5	97
				RCCO	31,463	2	0	5	89	32,790	2	0	5	93	33,429	2	0	5	94
				LCCO	31,463	2	0	5	89	32,790	2	0	5	93	33,429	2	0	5	94
				P14	415W	90	1400	AFR	45,748	5	0	5	129	47,678	5	0	5	135	48,608
T1S	51,272	5	0					5	123	53,435	5	0	5	129	54,476	5	0	5	131
T2M	47,497	5	0					5	114	49,500	5	0	5	119	50,465	5	0	5	121
T3M	48,040	5	0					5	116	50,067	5	0	5	121	51,043	5	0	5	123
T3LG	42,919	5	0					5	103	44,730	5	0	5	108	45,602	5	0	5	110
T4M	48,756	5	0					5	117	50,813	5	0	5	122	51,803	5	0	5	125
T4LG	44,343	5	0					5	107	46,214	5	0	5	111	47,115	5	0	5	113
TFTM	49,101	5	0					5	118	51,172	5	0	5	123	52,169	5	0	5	126
T5M	50,164	5	0					5	121	52,280	5	0	5	126	53,299	5	0	5	128
T5W	50,977	5	0					5	123	53,127	5	0	5	128	54,163	5	0	5	130
T5LG	50,309	5	0					4	121	52,432	5	0	4	126	53,453	5	0	4	129
BLC3	34,945	5	0					5	84	36,420	5	0	5	88	37,130	5	0	5	89
BLC4	36,090	5	0					5	87	37,613	5	0	5	91	38,346	5	0	5	92
RCCO	35,261	2	0					5	85	36,749	2	0	5	88	37,465	2	0	5	90
LCCO	35,261	2	0					5	85	36,749	2	0	5	88	37,465	2	0	5	90
AFR	51,272	5	0	5	123	53,435	5	0	5	129	54,476	5	0	5	131				

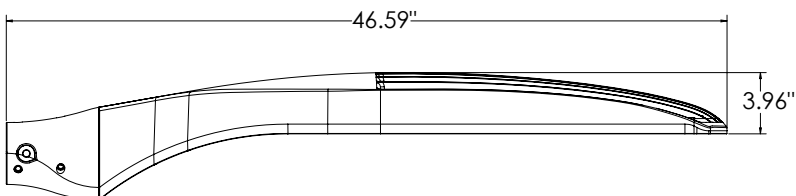
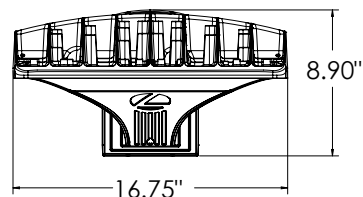
Dimensions



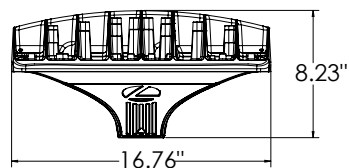
DSX2 with RPA, RPA5, SPA5, SPA8N mount
Weight: 48 lbs



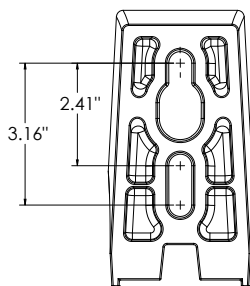
DSX2 with WBA mount
Weight: 50 lbs



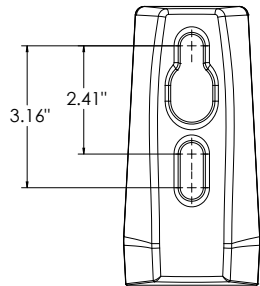
DSX2 with MA mount
Weight: 50 lbs



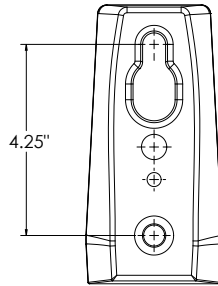
SPA (STANDARD ARM)



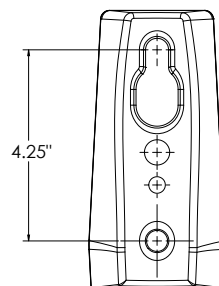
RPA



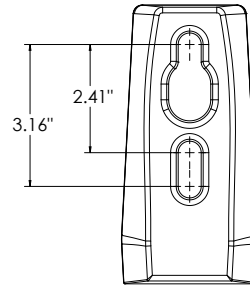
SPA5



RPA5

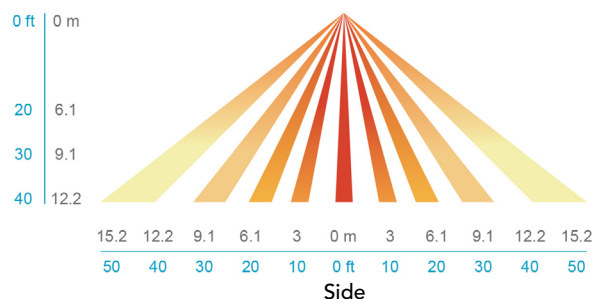
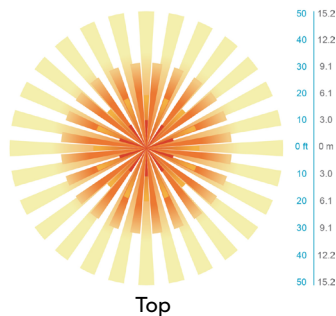
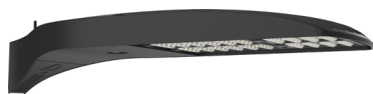


SPA8N



nLight Sensor Coverage Pattern

NLTAIR2 PIRHN



FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Area Size 2 reflects the embedded high performance LED technology. It is ideal for applications like car dealerships and large parking lots adjacent to malls, transit stations, grocery stores, home centers, and other big-box retailers.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 1.5G. 3G vibration rated available for (MA) mast arm mount when specifying option 3G. Low EPA (1.06 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

Coastal Construction (CCE)

Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

OPTICS

Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K, or 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 2 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L82/100,000 hrs at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily-serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

STANDARD CONTROLS

The DSX2 LED area luminaire has a number of control options. DSX Size 2, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensor with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

nLIGHT AIR CONTROLS

The DSX2 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.